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LIEF GREEN SEED CO.

339 W. VAN BUREN
PHOENIX, ARIZONA

VEGETABLE • FLOWER • LAWN • FIELD SEEDS
FERTILIZERS • GARDEN TOOLS • LAWN SUPPLIES • INSECTICIDES

1939
*Your Arizona
Planting
Guide*

Seeds Personally Selected and Recommended

By A. W. (BERT) LIEFGREEN, President and Manager of the

LIEFGREEN SEED COMPANY INC.

The LIEFGREEN SEED COMPANY INC. specializes in QUALITY SEEDS, and offers you the finest seeds produced by the most reliable growers throughout the world. They are selected for their high germinating quality and superior types, and assure the home gardener or commercial grower, abundant vegetable crops of the best marketable values and flowers in lovely profusion, when planted according to proper cultural methods.

All our seeds may be planted in any climate with gratifying results, but our planting guide and cultural directions are especially made up from experience, for the semi-tropical climate of Arizona and similar sections.

BUY THE BEST FOR BEST RESULTS.

LIEFGREEN SEED COMPANY INC.

A. W. Liefgreen
President and Manager

FLOWER SEEDS SUGGESTED FOR SPECIAL PURPOSES

FOR PARTLY SHADY PLACES

ANEMONE
SNAPDRAGON
COLUMBINE
CLARKIA
DELPHINIUM
SCARLET FLAX

FOXGLOVE
GODETIA
EVENING PRIMROSE
PANSY
VIOLA
VIOLETS

FOR EDGING AND BORDERS

ALYSSUM
BEGONIA
ENGLISH DAISY
CANDYTUFT
PINKS
AFRICAN DAISY
GOMPHRENA
LOBELIA
MARIGOLD (DWARF)

NASTURTIUM
NEMOPHILA
PANSY
PHLOX DRUMMONDI
PETUNIA NANA ERECTA
SHASTA DAISY
SWEET PEA CUPID
VIOLA
ZINNIA (DWARF)

FOR HANGING BASKETS OR WINDOW BOXES

DROOPING

ALYSSUM
ASPARAGUS SPRENGERI
LOBELIA
NASTURTIUM
PETUNIA

UPRIGHT

GERANIUM
PANSY
VIOLA
BEGONIA
CANDYTUFT

FOR PERMANENT BEDS AND BORDERS IN THIS SECTION

COLUMBINE
CARNATION
PINKS
GERBERA
HOLLYHOCK

LANTANA
PETUNIA
GAILLARDIA
SHASTA DAISY
HUNNEMANIA

FOR SUMMER AND EARLY FALL BLOOMING

ZINNIAS
COSMOS

COCKSCOMB
LANTANA

PORTULACCA
MARIGOLDS
STRAW FLOWERS

PETUNIAS
TITHONIA

HOLLYHOCK
VERBENAS

HOW TO ORDER BY MAIL

YOUR NAME AND ADDRESS—Be sure that your name and address are written very plainly on each order.

IT MATTERS NOT HOW SMALL YOUR ORDER—nor what you may want in the seed line, we shall be glad to hear from you. Our ambition is to serve you in a manner that will make you one of our satisfied customers.

COUNTER CUSTOMERS—We suggest to those who purchase in person at our store the advantage of having their lists made out before they call. They may be left and called for later, taken at once, or shipped. In any case it is a great saving of time to the purchaser. The list should have full name and address written on it so that our catalogue may be mailed to the purchaser as issued. We also urge early purchases.

ERROR IN FILLING OF ORDERS—We use the greatest of care in filling, checking and packing orders. Yet should anything be omitted we will promptly forward when advised. Keep a duplicate copy of your order for comparison.

REMITTANCES may be made by Express Money Order, P. O. Money Order or Bank Draft; if stamps or cash, send in Registered Letter. We must decline sending goods C.O.D. unless 25 per cent of their value accompanies the order.

ACCOUNTS—Parties having no account with us—who order goods without remittance—must furnish satisfactory reference.

WE CARRY ONLY ONE GRADE OF SEED—That is the best procurable. We fill all of our own seed packets from fresh seed of the highest purity and germination. Follow our Planting Guide and Cultural Directions as given in our catalog.

MARKET GARDENERS should avail themselves of Market Gardeners' privileges and write for special quantity prices.

NON-WARRANTY—The Liefgreen Seed Co. gives no warranty, express or implied, as to the description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop.

FOR THE CONVENIENCE OF OUR OUT-OF-TOWN CUSTOMERS WE LIST MANY ITEMS AT POSTPAID PRICES

DOMESTIC PARCEL POST RATES

FOR ITEMS NOT LISTED POSTPAID, THE CUSTOMER MAY FIGURE THE RATE FROM CHART SHOWN BELOW

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions. Weight Limit 70 lbs. Local Delivery 1st pound 7c; each additional 2 pounds 1c.				First Pound or Fraction	Additional Pound or Fraction
First Zone, Phoenix and within 50 miles of Phoenix.....				8c	1c
Second Zone, within 50 to 150 " " " ".....				8c	1c
Third Zone, " 150 to 300 " " " ".....				9c	2c
Fourth Zone, " 300 to 600 " " " ".....				10c	4c
Fifth Zone, " 600 to 1,000 " " " ".....				11c	5c
Sixth Zone, " 1,000 to 1,400 " " " ".....				12c	7c
Seventh Zone, " 1,400 to 1,800 " " " ".....				14c	9c
Eighth Zone, " all over 1,800 " " " ".....				15c	11c

ADD 2% TO COVER STATE RETAIL SALES TAX (Customers outside of Arizona need pay no Sales Tax)

Liefgreen's Finest 1939 Vegetable Seeds

Pole Beans

KENTUCKY WONDER, Brown Seeded—Very early and enormously productive. Entirely stringless and very tender. Plant as early in the Spring as possible, and again in the latter part of July to the 20th of August.

Lima Beans

LIEFGREEN'S IMPROVED BUSH LIMA — The earliest maturing of all the large seeded Limas.

LARGE LIMA—A pole variety, large seeded, bearing usually three to four beans to a pod.

Henderson's Bush

Also called Baby Lima Small White Lima Bean, of excellent flavor and enormously prolific.

FORDHOOK LIMA—A large bush Lima.

Asparagus

CULTURE—Soak seeds twenty-four hours before planting. Sow in February and March in rows, covering seed about one inch. The following Winter transplant to rows three or four feet apart and a foot apart in the rows, with at least six inches covering. Asparagus prefers light loamy soils.

PALMETTO—Light green; very popular. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 80c; 10 lbs., \$7.00, postpaid.

SELECTED MARY WASHINGTON — A new Giant rust-proof variety. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

Asparagus Roots

Plant one year old roots and do not cut them back. When planting see that the roots are well spread out so that the soil will touch every part. If this is not done the plant cannot thrive.

MARY WASHINGTON ROOTS—35c per doz., 100, \$2.00, postpaid.

ASK FOR QUANTITY PRICES

Artichoke

LARGE GREEN GLOBE—The favorite garden variety. Pkt., 5c; oz., 50c.

Stock Beets

STOCK BEETS are recognized as a very valuable stock food.

CULTURE—Sow seed one inch deep in well cultivated soil in drilled rows eighteen inches to three feet apart, the distance depending on the method of cultivation. When large enough, thin plant to ten inches apart in the row. About eight pounds is required per acre. As Beets germinate slowly, the seed should be planted in moist soil.

MAMMOTH LONG RED—The roots of this variety grow to a very large size.

GOLDEN TANKARD — Contains more sugar and less water than any other Mangel.

GIANT HALF SUGAR—A very heavy yielder. White solid, tender flesh and very sweet.

SUGAR BEET (White Klein Wanzleben)—Not the largest in size but the richest in Saccharine. It will fatten hogs as quickly as grain.

ALL STOCK BEETS PRICES: Pkt., 5c; oz., 10c; 1 lb., 75c; 10 lbs., \$6.50, postpaid.

Table Beets

CULTURE—In the warm sections of Arizona Beets may be planted from August 1 until May 1. In the higher altitudes planting may commence as soon in the Spring as weather conditions will allow. One ounce of seed will plant from 50 to 75 feet of row and six to eight pounds are required per acre. Plant in rows of 18 to 24 inches apart and thin to three or four inches in the row. Cover the seed one inch deep and firm the soil after planting. Beets enjoy a light, rich loamy soil and frequent cultivation is necessary for rapid and tender growth. Ask our advice for the proper fertilizer to use.

PRICES ON TABLE BEET SEED unless noted are uniformly: Pkt., 5c; oz., 10c; 1/4 lb., 30c; 1 lb., 85c; 5 lbs., \$4.00; 10 lbs., \$7.00, postpaid.

EARLY WONDER—A very fine market and table beet. This is an early beet with a very small tap root, small top and is of exceptionally fine dark red color. The beets are slightly flattened and mature very evenly. For a table as well as a canning variety we cannot recommend it too highly.

DETROIT DARK RED—This is a fine main crop all purpose beet. Sweet, tender and fine grained. The rich dark red color makes an attractive dish. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50, postpaid.

CROSBY'S EGYPTIAN—Our Crosby's is a very superior extra early strain of garden beet which has been very carefully selected for type. It excels in handsome form, a good size, small tops, very small tap root, fine quality, and above all, it makes a rapid growth. The flesh is deep red. Ready for use in 45 to 50 days.

EARLY BLOOD TURNIP—Of large growth. Flesh very tender and retains its blood red color when cooked.

MARKET GARDENERS

Please write us and ask for our Market Garden Prices on larger quantities.



LIEFGREEN'S STRINGLESS GREEN POD

The Improved Type—Tender and Crisp

Beans

ASK FOR QUANTITY PRICE

We Can Always Supply Any Quantity for Large Plantings

CULTURE—For a spring crop plant in February, March and April, according to the location. For Fall crop, plant in August and early September. Beans enjoy a well-drained loamy soil. Irrigate Beans only when needed and do not flood the vines. Cultivate frequently and before the soil has a chance to crust. Plant Bush Beans about three inches apart in three-foot rows at the rate of about one pound to 100 feet of row and from 75 to 100 pounds per acre. Plant Pole Beans at the rate of one pound to 200 feet of row and about 40 pounds per acre.

PRICES ON BEAN SEED—Unless otherwise stated prices are uniformly as follows: Pkt., 5c; 1/2 lb., 20c; 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25, postpaid. F.O.B. Phoenix or counter prices as follows: Pkt., 5c; 1/2 lb., 15c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.80.

Beans—Dwarf or Bush Green Pod

FULL MEASURE—This excellent variety is very popular with our gardeners. Pods are somewhat like stringless Green Pod but longer and more slender, about 5 inches long, of splendid quality and entirely stringless.

LIEFGREEN'S STRINGLESS GREEN POD — This stringless green pod bean is one of the most popular beans in America. In earliness it is in the lead, in quality it is unexcelled, and as a cropper it is unrivaled. The straight fleshy, round, thick pods are as stringless as the name implies.

Beans—Bush, Wax Pod

IMPROVED BLACK WAX — Round podded. A beautiful bright yellow color, very early and continues long in bearing. Very productive.

IMPROVED GOLDEN WAX—This bean is a distinct improvement on the old Golden Wax.



LIEFGREEN'S EARLY WONDER BEET



Plant Liefgreen's Superior Vegetable Seeds



ITALIAN GREEN SPROUTING BROCCOLI

Broccoli

GREEN SPROUTING ITALIAN — Calabrese — The edible portion differs from other Broccolis in use in that the flower heads are borne on long stems which are cooked and eaten along with the flower and are of a very mild flavor having none of the distinct cabbage flavor. Plant and care for as Cabbage or Cauliflower.

Pkt., 5c; oz., 30c; 1/4 lb., 90c; 1 lb., \$3.00.

Brussels Sprouts

IMPORTED HALF DWARF PARIS MARKET — The culture for Brussels Sprouts is the same as for Cabbage. It is a highly esteemed vegetable. Our strain of seed produces handsome, hard, round sprouts of fine quality.

Pkt., 5c; oz., 25c; 1/4 lb., 85c; 1 lb., \$2.50.

Celery

Plant in seed beds in May and when seedlings have 3 or 4 leaves, thin to 3 inches apart. Transplant to open field in August. Bleaching is done by drawing the soil to the plants.

GOLDEN SELF BLANCHING — Tall, compact, excellent type. Pkt., 5c; oz., 50c.

GIANT PASCAL — Medium broad compact stalks. Five flavor. Pkt., 5c; oz., 35c.

Collards

CULTURE — Similar to Cabbage, but does not produce a head.

TRUE GEORGIA — A strong, growing variety with light green leaves. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00.

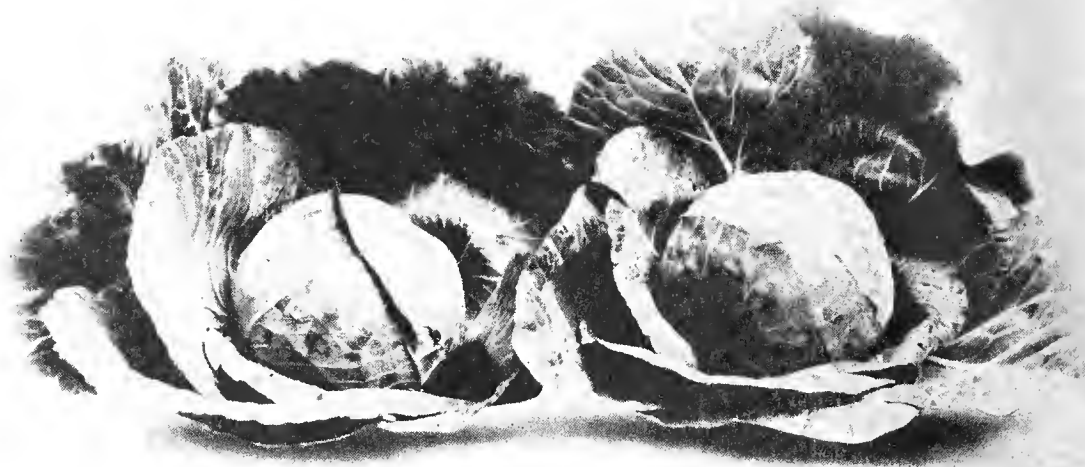
Cress

FINE CURLED or PEPPER GRASS — Sow 1 oz. to 50 feet of row. Requires a rich well prepared soil. Plant 1/2 in. deep in rows 12 to 16 inches apart. When plants are well started thin to 4 to 6 inches apart. Pkt., 10c; oz., 20c; 1/4 lb., 40c.

TRUE WATER CRESS — Thrives best when roots are submerged in water. However, fair success can be had in soil that is kept wet. Pkt., 10c; oz., 20c; 1/4 lb., 50c.

Chives

The famous Schnittlauch — highly prized for flavor. The seed of this is not easily germinated and it will be necessary, therefore, to plant a fairly good quantity of the seed if many plants are desired. Pkt., 5c; oz., 75c, postpaid.



Cabbage

Good seed is of the utmost importance in all crops, and no doubt has a greater effect on the final outcome of the Cabbage crop than any other. Do not take any chances by using poor seed. Seed taken from selected heads grown under proper conditions will repay you many times at harvest for its extra cost. In buying our strains of Cabbage you take the first step in the right direction.

CULTURE — In the warm sections of Arizona, seed should be planted during July and August, in shaded beds, for Fall crop. Also during the Fall and Winter months for Spring harvest. Make high shade with covering of cheesecloth or burlap. Transplant to the field in three foot rows. Small heading varieties should be spaced about twelve inches apart and larger heading varieties eighteen inches apart. The soil should be kept moderately moist and well drained and deep cultivation should be practiced. Six ounces will produce plants for one acre.

GOLDEN ACRE CABBAGE — Selected Danish Import — One of the earliest varieties of Cabbage. It is dwarf in habit, resembles the Copenhagen Market Cabbage but smaller heads, averaging 2 1/2 to 3 pounds in weight. Due to its small size it can be planted 12 to 14 inches apart in the row. Our seed is an extra fine strain. Pkt., 5c; oz., 35c; 1/4 lb., \$1.00; 1 lb., \$3.00.

COPENHAGEN MARKET — Our seed of this valuable new early Cabbage comes to us direct from Denmark. Pkt., 5c; oz., 30c; 1/4 lb., 80c; 1 lb., \$2.50.

EARLY WINNIGSTADT, Imported — One of the best early sorts and an old favorite everywhere. Pkt., 5c; oz., 25c; 1/4 lb., 85c; 1 lb., \$2.50.

DANISH BALL HEAD or HOLLANDER — Imported — The hardiest round headed Cabbage in cultivation. Pkt., 5c; oz., 35c; 1/4 lb., \$1.00; 1 lb., \$3.00.

EARLY JERSEY WAKEFIELD, Imported — Grows a small pointed head like the Winnigstadt. Pkt., 5c; oz., 20c; 1/4 lb., 85c; 1 lb., \$2.50.

EARLY FLAT DUTCH — Pkt., 5c; oz., 25c; 1/4 lb., 65c; 1 lb., \$2.50.

RED DUTCH — Heads of deep color and very solid. Excellent for cold slaw and for pickling. Pkt., 5c; oz., 30c; 1/4 lb., \$1.00; 1 lb., \$3.00.

Chinese Cabbage

(PE-TSAI) — Grow it the same as you would lettuce. Transplant to 12 inches apart. Our seed is the genuine Chinese imported. Boiled with beef or pork, it is excellent, having a more pleasing flavor than Cabbage. It is tender and crisp, branches perfectly and is equally good raw or cooked. Pkt., 5c; oz., 25c; 1/4 lb., 85c; 1 lb., \$2.00.

PRICES LISTED ARE POSTPAID
WRITE FOR QUANTITY PRICES

Celeriac

OR TURNIP ROOTED CELERY — **CULTURE** — Nearly the same as Celery. A form of Celery grown for its fleshy roots.

GIANT PRAGUE — Produces large smooth roots with few side roots. Pkt., 5c; oz., 25c; 1/4 lb., 85c; 1 lb., \$2.50, postpaid.

Cauliflower

CULTURE — Prepare the seed bed carefully, using only rich and thoroughly pulverized soil. Keep the plants in a healthy and rapid growing condition. Broadcast the seed in the seed bed. To mature crop for the December market in Southern Arizona, plant seed in July in shaded beds. For a continuous crop throughout the winter season plant seed in July, August, September and October. For Northern Arizona, plant in the Spring. When plants are 40 to 45 days in the beds they are ready for the field. Transplant to 24 inches apart in rows 30 to 36 inches apart. Five ounces of seed will produce plants for one acre.

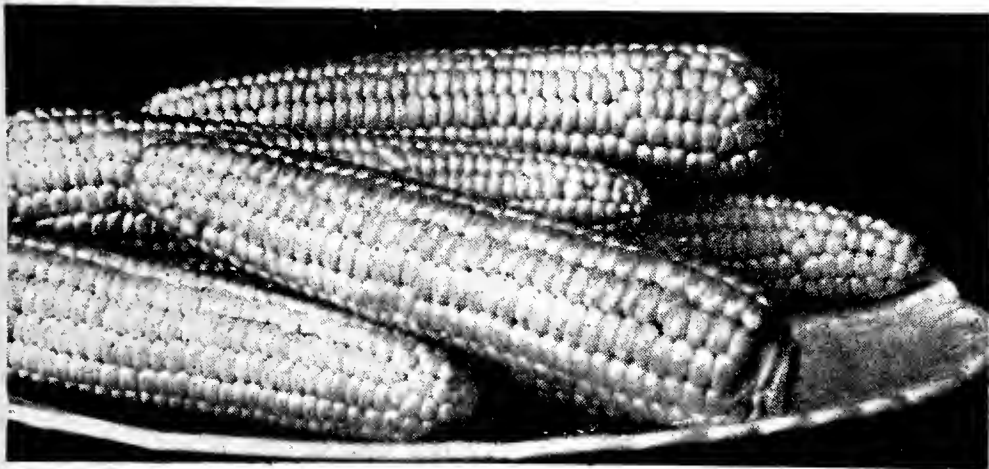
SELECT EARLY SNOWBALL — (Snowdrift) — The earliest and surest heading variety on the market. Our strain of Snowball is grown by one of the most particular Danish growers and imported by us from Denmark.

Pkt., 5c; 1/4 oz., 85c; oz., \$2.50; 1/4 lb., \$6.25, postpaid.



CAULIFLOWER
Select Early Snowball (Snowdrift)

Quality Seeds Produce Successful Crops



Sweet Corn

CULTURE—Plant Sweet Corn in the Spring after all danger of frost, when the soil is warm enough to assure germination. Plant four or five kernels in hills 18 inches apart in three-foot rows. Cultivate after each irrigation until stalks shade the ground. Do not allow the soil to become too dry at any time. One pound of seed will plant 200 to 300 feet of row or from six to ten pounds per acre, depending on the size of the seed. June Corn and Hickory King may be planted in June, July and August, while Sweet Corns should be planted in early Spring and again in August and September. Our Corn seed is from the very best selected stock. Write us for quantity prices.

SELECT ADAMS EARLY—Ready for table use from Spring planting in 50 to 60 days, depending on the weather. In the Fall it should produce roasting ears in 50 days. It is not a Sugar Corn but decidedly more hardy. Large Pkt., 5c; 1/2 lb., 15c; 1 lb., 25c; 10 lbs., \$2.00, postpaid.

TRUCKER'S FAVORITE—Best roasting ear—not a true Sugar Corn. Stalks about 8 feet tall, ears are of medium length and thickness, average 7 to 8 inches, with 12 or 14 rows. Kernels are white. Pkt., 5c; 1 lb., 25c; 10 lbs., \$2.00, postpaid.

HONEY JUNE CORN—A cross of our hardy Mexican June and a Sweet Corn. Same growth characteristics as Mexican June, with a decided Sweet Corn flavor, tender and juicy. Pkt., 5c; 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$3.00, postpaid.

GOLDEN BANTAM—This golden colored corn is the leading variety for early home garden planting, ears though small are numerous and of finest quality, very sweet and tender. Pkt., 5c; 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$3.00, postpaid.

COUNTRY GENTLEMEN—A good home garden variety, cob small, grains very deep, small and irregular, very sweet and tender. Pkt., 5c; 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$3.00, postpaid.

OREGON EVERGREEN—A very large early variety of Sugar Corn of excellent flavor and large size. It can be grown early in the Spring or late in the Fall and is in much demand by the market gardener. This Corn is extra sweet and due to the tight folding of its shucks is as near corn worm proof as any. Large Pkt., 5c; 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$3.00, postpaid.

Field Corn

For Roasting Ears and Ensilage—SACATON JUNE—Lb., 20c; 10 lbs., \$1.75. Ask for Quantity Price.

REID'S YELLOW DENT—Lb., 20c; 10 lbs., \$1.75. Ask for Quantity Price.

HICKORY KING—Lb., 20c; 10 lbs., \$1.75. Ask for Quantity Price.

Pop Corn

WHITE RICE—A popular and productive variety. The kernels are fine, white, and the ears are from four to five inches long. Large Pkt., 5c; 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$3.00, postpaid.

Carrot

CARROTS are a wholesome and nutritious vegetable—easily grown and harvested by most everyone. Carrots grow in most any soil, although a sandy loam plentifully enriched with well-rotted manure suits them best. Sow 1 oz. of seed to 100 ft. of row, 3 lbs. to the acre. Plant from September to May in rows 15 to 18 inches apart. Keep clean by frequent hoeing and weeding.

DANVER'S HALF LONG—A half long orange carrot grown largely on account of its great productiveness and adaptability to all classes of soil. The flesh is deep orange, tender and of good quality. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 90c; 10 lbs., 8.00 postpaid.

IMPROVED CHANTENAY—An excellent bunching carrot. A first-class table variety, stump-rooted, broad shouldered, about five or six inches long. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 90c; 10 lbs., \$8.00, postpaid.

OX-HEART—Especially desirable for soil so hard and stiff that longer-rooted varieties will not thrive in it. The mature roots are 4 1/2 inches long. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 90c; 10 lbs., \$8.00, postpaid.

IMPERATOR—One of the best selling varieties. In appearance, it is sleek, seven to eight inches in length with round shoulders, allowing it to bunch well. Its color is a deep orange and its core is very indistinct. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00; 10 lbs., \$9.00; postpaid.

Cucumber

CULTURE—Plant Cucumbers in the Spring as soon as all danger of frost is over. If you are located in the light frost areas planting may be made two to four weeks earlier and receive the full benefits of the early market prices. In the Salt River Valley and similar sections plantings are also made in the Fall, usually August and September. Plant six to ten seeds one inch apart each way. One ounce will plant 50 hills, two pounds to the acre. After all danger of pests are removed and you are sure of your plants, thin out, leaving three of the strongest plants. Give abundance of water and frequent cultivation for the best results. Cucumbers enjoy a light, sandy, rich soil.

Prices on Cucumber Seed, unless otherwise noted are as follows: postpaid; Pkt., 5c; oz., 15c; 1/4 lb., 45c; 1 lb., \$1.25.

PRICES LISTED ARE POSTPAID

COLORADO—Fruits 9 to 12 inches long. This cucumber is rapidly gaining in popularity and we recommend it highly to the shipper, market and home gardener. One of its outstanding qualities is that it does not taper, but is practically the same size from end to end. The color is dark green, making it especially attractive for display. The flesh is crisp and tender. An exceptionally heavy yielder. Pkt., 10c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.25, postpaid.

SELECT EARLY FORTUNE—Very productive, early and disease resistant; fruits about eight inches long, slightly tapering; flesh is white; very firm and crisp, with few seeds. It is of a rich green color and keeps well. Ready for market in about 60 days.

PERFECTED DAVIS PERFECT—A splendid Cucumber. Dark, glossy green, slim and symmetrical, with an average length of ten to twelve inches. Quality fine. Very early.

SPECIAL LONG GREEN—Grows from 12 to 14 inches long and is of superior quality. Of fine dark green color and slender. Flesh very firm. Pkt., 5c; oz., 20c; 1/4 lb., 50c; 1 lb., \$1.50.

KLONDIKE—Another good white spined variety, medium length, dark color and fine quality.

BOSTON PICKLING—Very prolific; largely planted for pickles. The fruits are short, smooth, bright green and of excellent quality.

JAPANESE CLIMBING—A very rampant grower, fruits long deep russet, and of excellent quality, weight 2 lbs., 8 to 9" long and 2 1/2" in diameter. Pkt., 5c; oz., 20c; 1/4 lb., 65c.

LEMON—A new variety, the color of a lemon when ready for use and similar in shape. Pkt., 5c; oz., 20c; 1/4 lb., 65c; 1 lb., \$1.75.

CLARK'S SPECIAL—An outstanding variety for shipping, and for market gardeners. Holds its color and firmness when handled long distances. Fruits weigh 2 1/2 lbs., handsome, very dark green color.



CARROT
LIEFGREEN'S SELECT
IMPERATOR



Ask For Larger Quantity Prices

LETTUCE

CULTURE—Lettuce is best suited to rich, light, loamy soil and should never be planted in worn-out soils. At planting time the soil should be in the best of condition. Sow seed on ridges in rows 18 inches apart and when plants are large enough thin to 10 to 15 inches apart. Run the water in furrows between the ridges and never allow the water to touch the plants.

When Lettuce is planted early in hot ground plant two pounds of seed to the acre. During the Winter season, when the soil is cool, one and one-fourth pounds per acre is plenty.

Head Lettuce

Prices on all varieties of Lettuce seed listed as follows, unless noted otherwise. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25; all postpaid. Ask for prices in larger quantities for commercial planting.

NEW YORK No. 515, IMPROVED—An early variety well adapted to late Spring production in the Salt River Valley; Resistant to tip burn; Heads medium large, compact, attractive.

NUMBER 12, NEW YORK—A type of early maturing New York Lettuce. Matures about 10 days earlier than the regular New York.

NEW YORK SPECIAL—Hardy, uniform heads, light green outer leaves with the center bleached pure white.

ARIZONA WONDERFUL—A splendid variety for market or home use. Large, crisp, tight heads and a great favorite wherever grown.

IMPERIAL "D"—Medium heads, desirable for Fall crop. Will stand considerable cold, but susceptible to tip burn in warm weather.

IMPERIAL "152"—Medium sized, solid heads. Quite hardy, very sure heading, also resistant to brown blight. **WRITE FOR PRICES.**

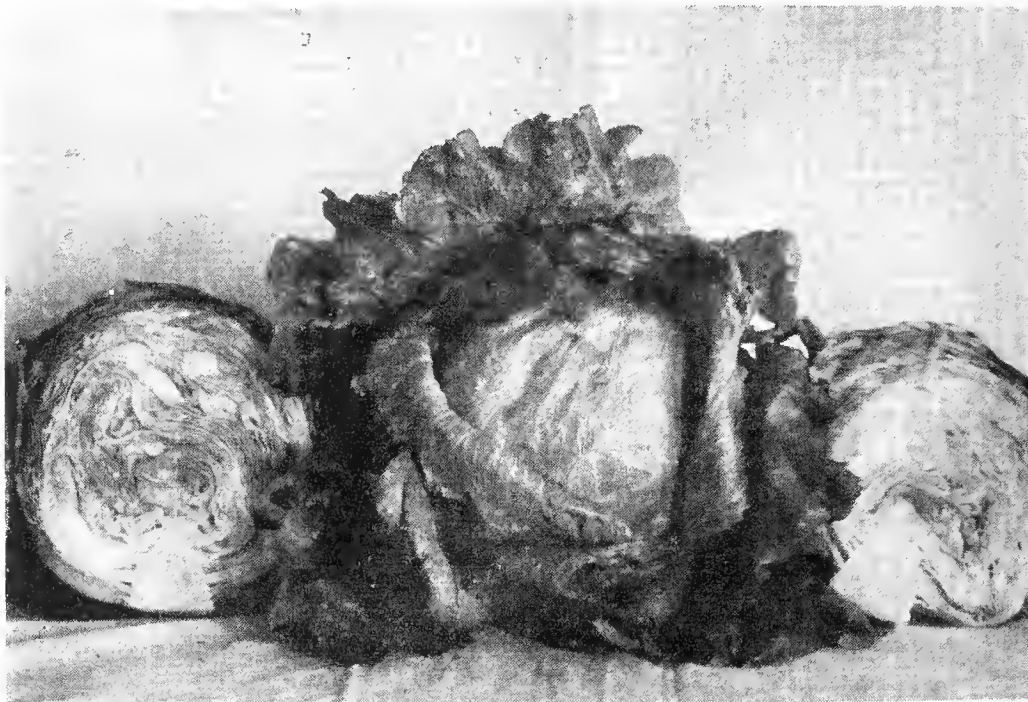
IMPERIAL "615"—One of the largest heading varieties. Resistant to brown blight; does not make suckers. Desirable for early Spring cutting. **WRITE FOR PRICES.**

ICEBERG—A splendid Head Lettuce for Spring planting.

Leaf Lettuce

PARIS COS or ROMAINE—Leaves yellowish white, very crisp and tender; a self-blanching lettuce of superior flavor.

DENVER MARKET—For the family garden plant this variety broadcast on ridges, allowing it to grow thick.



LIEFGREEN'S IMPROVED TYPE ARIZONA WONDERFUL HEAD LETTUCE

Kale or Borecole

CULTURE—Sow in drills during the Fall and Spring months. Transplant to 12 inches apart in three-foot rows. One ounce required for 100 feet of drill.

GREEN CURLED SCOTCH—Grows to a height of two feet or more; leaves are bright green and curled. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

Kohl Rabi

CULTURE—Kohl Rabi is a cold weather plant and should be seeded from early Fall to early Spring, eliminating the hot Summer months. In colder sections plant in early Spring. Plant like turnips and thin to six inches apart. One ounce of seed will produce about 2,000 plants.

EARLY WHITE VIENNA—Earliest sort, very tender, excellent for table use. Pkt., 5c; oz., 25c; 1/4 lb., 85c; lb., \$2.50, postpaid.

EARLY PURPLE VIENNA—Similar to above, but has flesh of purple color. Pkt., 5c; oz., 25c; 1/4 lb., 85c; lb., \$2.50, postpaid.

Leek

CULTURE—Plant in seed bed or in drills in the field; when large enough transplant or thin out about six inches apart in 18-inch rows. One ounce of seed is required to 150 feet of row.

LARGE LONDON—Broad leaves of strong and vigorous growth; very hardy. Pkt., 5c; oz., 25c; 1/4 lb., 85c; lb., \$2.50, postpaid.

Endive

CULTURE—Sow seed at any time with the exception of the hot Summer months. Sow thinly in rows 18 inches apart and cover lightly. When about four inches tall they should be thinned out to stand a foot apart in the row. This plant grows to perfection and makes a very delicious salad for Winter use. After plants are well grown gather up leaves and tie at tips into a loose bunch to bleach the inner leaves.

GREEN CURLED RUFFEC—A hardy vigorous variety with deep green leaves. This variety is generally preferred as it bleaches to a beautiful golden yellow. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

Garlic

CULTURE—Plant in the Salt River Valley and similar climates during October and November. In higher altitudes during the Spring season. One pound will plant about 50 feet of row.

GARLIC SETS—40c per pound, postpaid.

Egg Plant

CULTURE—Egg Plant grows exceedingly well in Arizona, as it thrives in warm, dry weather. Sow in hot beds or boxes and transplant when danger of frost is over. Plant two feet apart in four-foot rows. To secure a rapid and continuous growth, water and cultivate frequently. One ounce of seed will produce about 1,000 plants.

BLACK BEAUTY—The fruits are rich, dark purple, large and symmetrical, maturing a little earlier than our Improved New York Purple but usually not quite as large. Pkt., 5c; oz., 50c; 1/4 lb., \$1.65; lb., \$5.00, postpaid.

IMPROVED NEW YORK PURPLE—Large, oval-shaped, deep purple fruits. Pkt., 5c; oz., 50c; 1/4 lb., \$1.65; 1 lb., \$5.00, postpaid.

Herb Seeds FOR PLANTING

ANISE—Pkt., 5c; oz., 35c.
BASIL—Sweet. Pkt., 5c; oz., 50c.
BORAGE—Pkt., 5c; oz., 50c.
CARAWAY—Pkt., 5c; oz., 25c.
CATNIP or CATMINT—Pkt. 5c.
CHERVIL—Pkt., 5c; oz., 30c.
CORIANDER—Pkt., 5c; oz., 25c.
DILL—Pkt., 5c; oz., 25c.
LAVENDER—Pkt., 5c; oz., 75c.
MARJORAM—Sweet. Pkt., 5c; oz., 75c.
ROSEMARY—Pkt., 5c; oz., \$1.00.
SAGE—Pkt., 5c; oz., 75c.
SORREL—Pkt., 5c; oz., 35c.
SUMMER SAVORY—Pkt., 5c; oz., 75c.
SAFFRON—Pkt., 5c.
THYME—Pkt., 5c; oz., \$1.00.

ALL OF THE ABOVE POSTPAID



EGG PLANT
Selected Black Beauty

Plant Liefgreen's Watermelon Seeds

LIEFGREEN'S WATERMELONS

CULTURE—Use our northern grown seed for a successful melon crop. Our Melon seed is selected from the very best types and will grow hardier, larger plants and melons than the average seed. Plant seed in furrow, dropping six seeds every eight or ten feet apart. Cover about two inches deep. As the vines grow, hill the earth about them until the roots are 10 to 12 inches deep. When safely established, thin vines to about two to the hill. Be sure to cultivate after each irrigation as soon as the condition of the soil will permit. Use two to two and a half pounds of seed to the acre.

LIEFGREEN'S BLACK SEEDED KLONDIKE

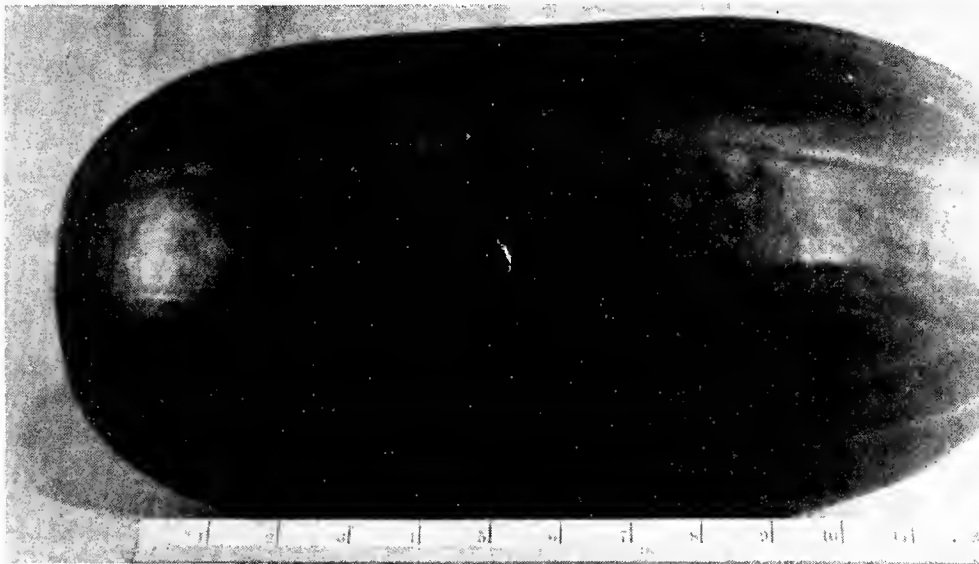
One of the best Melons grown for shipping and home use. The rind is very thin and of a medium green color. The flesh is bright red, tender and deliciously sweet. Our seed is of the genuine strain, as our selections are made from perfect specimen Melons. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25; 10 lbs., \$10.00, postpaid.

KLONDIKE BROWN SEEDED—The outstanding variety for shipping and home garden use in Arizona. Popular because of its delicious flavor and attractive interior color. Flesh bright red and very sweet. Fruits oblong and of uniform green color. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.



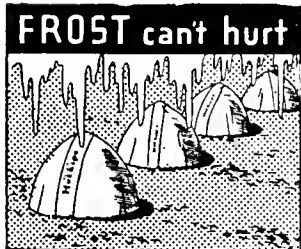
WATERMELON—SELECTED STRIPED KLONDIKE

NEW STRIPED KLONDIKE No. 11—This new strain carries as high sugar content as any Commercial Watermelon. The rind is thin but strong and the flesh is solid and a bright red. A most attractive melon in both outside appearance and when cut. Edible qualities are excellent and delicious. Seeds are black splotched and striped with brown at the edges. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25; 10 lb., \$10.00, postpaid.

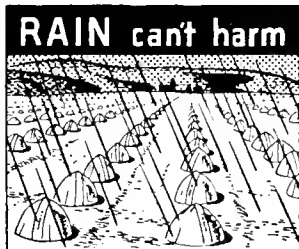


LIEFGREEN'S—SELECTED DARK SEEDED KLONDIKE
(for particular planters)

PROTECT YOUR GARDEN AGAINST FROST, RAIN, WIND, BUGS



FROST can't hurt



RAIN can't harm



INSECTS can't touch

HOTKAPS Mature Your Crops Earlier

HOTKAPS protect growing plants against rain, wind, cold, frost, birds, insects and other destructive forces. Each one is a miniature hothouse, maintaining a perfect mulch and forcing growth and development. With HOTKAPS, crops mature 2 to 3 weeks earlier and yield is 10 to 25 per cent greater. They are used on all kinds of small plants in every state of the Union.

HOTKAPS are patented waxed paper cones, easily set out with a convenient steel setter. One man can place 3,000 or more a day. You can be sure of your crops if you use HOTKAPS—they pay for themselves many times over.

Weight: 1,000 pkg. HOTKAPS, 28 lbs.; Steel HOTKAP Setter, 3 lbs. Prices: 100 lots, \$1.25; 1,000 lots, \$8.50; 5,000 lots, \$8.00 per 1,000. Steel Hotkap Setter, \$1.50; Tin Hotkap Setter, 50; F. O. B. Phoenix.

STONE MOUNTAIN—A very large oval round shaped melon. Rind dark green and tough. Flesh is deep scarlet and very sweet. A very desirable shipping and home garden melon. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

KLECKLY SWEET—A medium size melon, rind very green and flesh deep red. Delicious flavor. An excellent melon for either home garden or shipping. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

ANGELENO WHITE SEEDED—A fine quality early melon nearly round, dark green; flesh bright red and fine quality. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

ANGELENO BLACK SEEDED—Much like white seeded Angeleno except in color of seed. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

TOM WATSON—Another large shipping melon of good quality. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 90c., postpaid.

PEERLESS OR ICE CREAM—A large oval melon with yellow flesh and of good quality. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00.

IMPROVED BLACK SEEDED CHILIAN—This Melon possesses a rich, fruity flavor. Very sweet and has a thin rind. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

IMPROVED WHITE-SEEDED CHILIAN—A very good Melon. It is extra solid, crisp and sugary—a great favorite with the growers. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

GEORGIA RATTLESNAKE—Standard variety. Oblong; scarlet flesh, crisp and juicy. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00.

SWEETHEART—An old popular long stripe Melon of good quality. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 90c., postpaid.

EXCEL—Large size, extra good shipper and a heavy yielder. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

IRISH GRAY or GENERAL PERSHING—Color is a yellowish gray. Flesh is a brilliant sparkling red, very sweet and firm. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

CITRON or PRESERVING MELON—For preserves. Fruit round and smooth. Is not eaten raw but is used for making clear transparent preserves of peculiarly fine flavor. Flesh white and solid. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00.

MARKET GARDENERS AND SHIPPERS

NOTE

WE ARE HEADQUARTERS FOR MARKET GARDEN SUPPLIES. SEEDS, SPRAYERS, INSECTICIDES, ETC. PLEASE WRITE FOR SPECIAL QUOTATIONS FOR QUANTITIES. WRITE US IN REGARD TO YOUR INSECT PROBLEMS.



Plant Tried And Tested Seeds For Profit

Honey Dew and Casaba



LIEFGREEN'S SELECT No. 45 MELON

HALE'S BEST No. 45—Excellent flavor and a good keeper as well as mildew resistant. An early variety developed particularly for the shipping trade. The No. 45 is a true Hale's Best. Oval shape, medium size, with heavy net and a faint stripe. Flesh is deep salmon, thick and firm with small seed cavity. Recommended to plant where mildew is prevalent. Pkt., 5c; oz., 20c; 1/4 lb., 50c; 1 lb., \$1.50, postpaid. Ask for quantity prices.

EARLY HALE'S BEST No. 36—An extra early salmon tint of remarkable flavor. Melons are oblong, well netted and attractive. Small seed cavity. Ten days to two weeks earlier than other varieties and yields big. One of the best main crop Melons. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

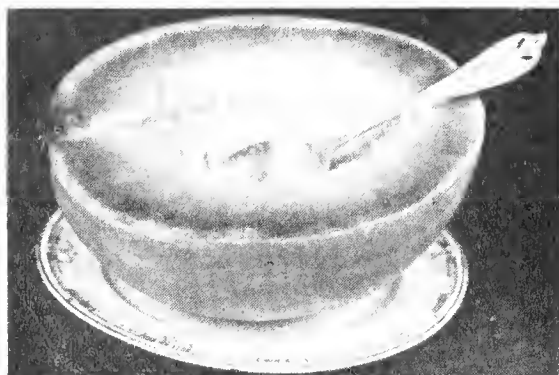
IMPROVED PINK MEAT or BURRELL'S GEM—Flesh thick, salmon in color and fine flavor; rind heavily netted. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

EXTRA-EARLY HACKENSACK—(Green flesh) Rounded fruits of medium size, irregularly ribbed and heavily netted. Thick flesh of a delicious sweet flavor. Pkt., 5c; oz., 15c; 1 lb., 45c; 1 lb., \$1.10, postpaid.

HONEY BALL—This melon has become very popular. In appearance it is similar to the Honey Dew, but is smaller and runs more uniform. Has a wonderful flavor and preferred sometimes to the Honey Dew. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

IMPROVED ROCKY FORD PERFECTO—An excellent shipping variety. Melons are heavily netted without ribbing. Flesh orange, thick and has a delicious flavor. Small seed cavity. An excellent melon. Pkt., 5c; oz., 20c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

PERSIAN—This Melon is popular. Very large, running from 8 to 10 inches in diameter. Thick yellow flesh of delightful flavor distinctly different from other Melons. Pkt., 5c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.25.



DELICIOUS HONEYDEW

CULTURE—Thoroughly soak the soil. When dry enough, plow 10 or 12 inches deep. After pulverizing the soil make furrows 8 or 10 inches deep. Plant the seed in furrows 6 feet apart each way, using 8 or 10 seeds to a hill, which will require 1 1/2 pounds to the acre. When paper covers are used, planting in the Salt River Valley generally starts in February and March. If covers are not used, plant after danger of frost is over. As the plants grow, gather the soil around them until the roots are ten or twelve inches below the surface. Thin out surplus plants as soon as they are hardy and well established. Please remember that the roots are as long as the vine; therefore when working close to the vines let the cultivation be shallow. Always cultivate the irrigating furrow when dry enough so as to conserve the moisture.

HONEY DEW—Excellent flavor, good keeping qualities and very prolific. Flesh is light green and sweet as honey. Ready to pull when green lustre has changed to a creamy yellow and ready to eat when an impression can be made with the thumb. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

GOLDEN BEAUTY—The most popular and the best flavored Casaba Melon grown. Grows from six to eight inches in diameter, is nearly round, slightly pointed at the stem end. The wrinkled skin is a beautiful golden yellow and the rind is very hard. The flesh is pure white and very thick. Pkt., 5c; oz., 15c; 1/4 lb., 50c; 1 lb., \$1.50, postpaid.



TIP TOP
An Excellent Home Garden Melon

TIP TOP—A prime favorite for the home garden or nearby markets. Medium size, deeply ribbed, slightly netted. Flesh is salmon, rich and sweet. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

Hotents

PROVIDE PERFECT PLANT PROTECTION

HOTENTS are designed to protect and force all varieties of plants where a large plant protector is needed. They are made of a scientifically manufactured paper which is extra strong.

HOTENTS are of a generous size, being 10 1/2 x 14 1/2 inches at the base, creating 152 1/2 sq. inches of protected ground. They are 8 1/2 inches high.

HOTENTS are strong, being supported with two patented covered wire bows fastened to the under side and running parallel across the body.

HOTENTS are packed 500 to the package and weigh 35 pounds to the package.

PRICES: 500 lot, \$6.50; 1000 lot, \$12.50; Setter, \$1.75; postage or freight extra.



LIEFGREEN'S GOLDEN BEAUTY CASABA

Mustard

CULTURE—Very easy to grow. Sow in the Fall and during the Winter and Spring months. Drill in rows and cover lightly. Mustard is not particular as to soil, but a medium heavy soil is best.

SOUTHERN CURLED—The true curled leaf variety. Looks like Spinach and has a very agreeable flavor. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1 lb., 75c, postpaid.

OSTRICH PLUME—Is delicious as well as ornamental; the leaves resemble ostrich plumes, hence the name. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1 lb., 75c, postpaid.

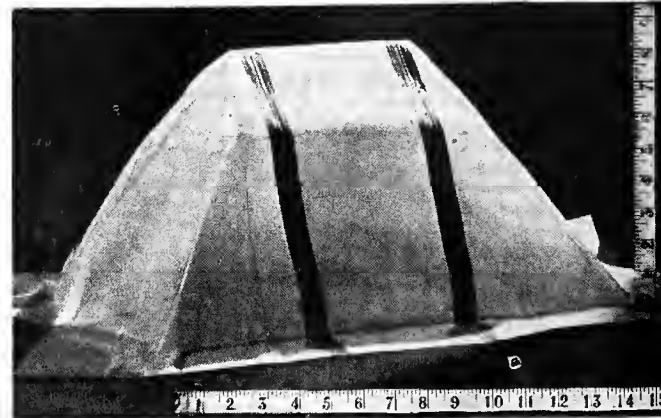
CHINESE WHITE—This is a delicious vegetable, being less pungent than the American varieties. Like Spinach, it thrives during the Winter season. Pkt., 5c; oz., 40c; 1/4 lb., \$1.35, 1 lb., \$4.00, postpaid.

Okra or Gumbo

CULTURE—Okra thrives well in Arizona and is a very popular vegetable. Requires a generous supply of water and responds readily to fertilization and cultivation. Plant after all danger of frost is over in drills and thin to 12 inches apart. Sow one ounce to 50 feet of row. To produce really early Okra plant heavily, at least ten or twelve pounds to the acre.

EARLY DWARF GREEN—Short pod. Dwarf, stocky growth, heavy bearer. The pods are medium short, greenish color, tender and of good flavor. The most popular variety. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1 lb., 75c, postpaid.

LONG GREEN—A very productive variety. Long ribbed pods. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1 lb., 75c, postpaid.



GROW PROFITABLE CROPS WITH
HOT TENTS

• Liefgreen's Superior Onion and Pepper Seeds •

ONIONS

CULTURE—A rich, well drained soil will produce fine Onions. If soil is not well drained it will produce thick necked scallions. A well fertilized sandy loam is the best. In the lower altitudes in Arizona, planting starts in September and continues throughout the Fall and early Winter months. Time of planting depends on the variety. Drill Onion Seed in 14-inch rows and irrigate in the furrows between the ridges to avoid flooding the onion, which causes rot, rendering it unfit to ship or keep. Three pounds of seed is required to the acre for dry Onions or one ounce to the 100 feet. For Green Onions or Bunching Onions plant ten pounds per acre. Our Onion Seed is of the highest type as to germination and purity. Consult with us as to what and how to plant and allow us to quote you quantity prices.

WHITE SWEET SPANISH—Like the original Sweet Spanish, it is a good keeper. We are very proud of our strain as it has given wonderful results. Pkt., 5c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.00; postpaid.

RIVERSIDE SWEET SPANISH—Large well shaped brown onions weighing 1 to 3 lbs. Globular, with golden yellow skins, white flesh, very mild, with a pleasing flavor. Pkt., 5c; oz., 25c; ¼ lb., 80c; 1 lb., \$2.50, postpaid.

GREAT GREEN BUNCHING ONIONS—Produces the long tender, sweet green Onions which are so popular on the table of those who enjoy good eating. Pkt., 5c; oz., 25c; ¼ lb., 80c; 1 lb., \$2.50, postpaid.

CRYSTAL WHITE WAX—A large white Bermuda type Onion that has become very popular. It is very early, very mild in flavor and an excellent shipper and keeper. Pkt., 5c; oz., 25c; ¼ lb., 80c; 1 lb., \$2.50, postpaid.

SILVER SKIN—One of the leading white Onions. Average diameter is 4 to 6 inches. The thick skin is a clear silvery white, flesh snow white. Pkt., 5c; oz., 25c; ¼ lb., 85c; 1 lb., \$2.50, postpaid.

YELLOW GLOBE DANVERS—A well known early Onion of fine quality. Pkt., 10c; oz., 25c; ¼ lb., 80c; 1 lb., \$2.50, postpaid.

YELLOW BERMUDA—Outer skin is of a pale strawish color. A large flat Onion with a very mild flavor. Very early. Pkt., 5c; oz., 25c; ¼ lb., 85c; 1 lb., \$2.50, postpaid.

Liefgreen's Onion Sets

One pound of sets will plant about fifty feet of row. White and Yellow. Lb., 30c postpaid; 10 lbs., \$2.50 postpaid. Not postpaid, 20c lb., 2 lbs., 35c; 10 lbs., \$1.50.

Pumpkins

CULTURE—Plant in hills 8 to 10 feet apart each way in March and July and August. Drop five or six seeds to the hill and thin out to one healthy plant. Pumpkins, like other vine crops, should be irrigated carefully, not allowing the water too near the main stalk. About 1½ pounds are required to the acre. Plant plenty of Pumpkins as they make excellent cow and hog feed.

SMALL SUGAR—A very popular small variety. The skin is a deep orange yellow and the flesh sweet and fine-grained. Sells better than any other Pumpkin on the local market. Excellent for pies. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

LARGE CHEESE—Large size; reddish orange; flesh thick, fine and sweet. A good keeper. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c; postpaid.

JAPANESE PIE—Nearly solid flesh; the seed cavity being very small, fine-grained, dry and sweet. Taste somewhat like sweet potatoes. They ripen early and are good keepers. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

CONNECTICUT FIELD—A fine variety for dairy ranches, adding much to the quality and quantity of milk and butter. Excellent keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c, postpaid.

IMPROVED YELLOW CASHAW—A crookneck Pumpkin. Solid, fine and sweet. Keeps well. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.



SELECTED FRUITS OF CALIFORNIA WONDER PEPPER



LIEFGREEN'S SWEET SPANISH ONION

Parsnip

CULTURE—Plant from October to March. Sow in drills in rich soil ½ inch deep and 15 inches apart. Cultivate like carrots and thin to four inches apart. One ounce of seed will plant about 100 feet of row; five pounds to the acre.

HOLLOW CROWNED—The very best Parsnips, either for table use or for stock. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

Parsley

CULTURE—Sow in the Fall for early Spring. As the seed is slow to germinate, a light mulch over the seed bed will retain the moisture and hasten germination. Cover lightly. One ounce of seed will produce about 500 plants.

MOSS CURLED—Excellent for garnishment and flavoring and very decorative. Leaves are very fine and crisp. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

LIEFGREEN'S PEPPERS

CULTURE—Sow seed in hot beds in November, December and January. Transplant to the field when all danger of frost is over unless paper plant protectors are used. Peppers delight in highly fertilized soil and should be kept well watered. Plant 18 inches apart in 30-inch rows. One ounce of seed will produce 1,000 plants or ½ pound seed to the acre.

CHINESE GIANT—The ideal stuffing Pepper, of exceptional merit. It is very mild in flavor, grows to a large size and is highly productive. Pkt., 5c; oz., 60c; ¼ lb., \$1.75; 1 lb., \$5.50, postpaid.

ANAHEIM CHILI—Pods about seven or eight inches in length. Because of its agreeable pungency it is one of the most popular Peppers on the market. Pods keep for months when dried, which makes it a good, marketable crop. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50, postpaid.

CALIFORNIA WONDER—It is the best large-fruited Pepper in existence, very smooth, heavy, free from creases and wrinkles. Meat thick, tender, and of finest flavor. Pkt., 5c; oz., 60c; ¼ lb., \$2.00; 1 lb., \$6.00, postpaid.

FLORAL GEM—The favorite variety when a small hot pepper is desired for pickling or highly flavored sauces. Pkt., 5c; oz., 75c; ¼ lb., \$2.00; 1 lb., \$7.00, postpaid.

PIMIENTO—Every garden should have a row of this Pimiento. For salad, parboil it to remove the skin. Stuffed and baked, it is superior to any other Pepper. Pkt., 5c; oz., 35c; ¼ lb., \$1.15; 1 lb., \$3.50, postpaid.

MEXICAN CHILI—Popular on account of its extreme pungency. Medium sized and pear shaped. Turns bluish black when dried. Pkt., 5c; oz., 55c; ¼ lb., \$1.75; 1 lb., \$5.50, postpaid.



Superior Seeds For Home Gardening

Peas

CULTURE—Plant Peas from September to April 1. Peas are hardy and stand a great deal of cold. During cold weather plant seed 1 to 2 inches deep; in the warmer months plant 3 to 4 inches deep. Sixty pounds to the acre is the amount usually used.

Prices on Pea Seed as follows:—Pkt., 5c ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25. Postpaid to the 1st, 2nd and 3rd Zones. Prices F. O. B. Phoenix, not postpaid, as follows:—Pkt., 5c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.80. Write for special quantity prices.

LAXTON'S PROGRESS (Early) — Regarded by some large users as the best of the large podded early peas. Pods large, of fine color, and are well filled with large peas of finest quality.

HUNDREDFOLD—An early variety and a great favorite. Plant in September for a fall crop.

DWARF TELEPHONE — Planted after the Progress, usually in November for a Spring crop.

IMPROVED STRATAGEM — A very popular late bush variety.

TALL TELEPHONE—Vines vigorous, growing about four feet high.

Turnips

CULTURE—Sow from September 1 to March 1, in loose loamy soil in double rows on ridges. One ounce of seed will sow about 75 feet of row or two pounds to the acre.

PURPLE TOP WHITE GLOBE—The most popular and the most attractive Turnip on the market.

PURPLE TOP STRAP LEAVED—Quick grower. Flesh very fine grained and sweet.

WHITE EGG—An egg-shaped variety for early or late planting.

EARLY WHITE FLAT DUTCH—White flesh, medium size, quick growth.

GOLDEN BALL—Round, smooth, yellow Turnip of fine quality. Good keeper.

Rutabaga

OR SWEDISH TURNIP

IMPROVED YELLOW PURPLE TOP—The popular standard variety, both for stock feeding and for table use.

All of the above Turnips and Rutabagas price—Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.00; 10 lbs., \$5.50. Postpaid.

RADISHES — (Continued)

FRENCH BREAKFAST—An early variety with good flavor and attractive appearance.

ROUND BLACK SPANISH—Black skin, white flesh and of firm texture.

EARLY SCARLET GLOBE—Oval in shape and are a rich scarlet color.

MIXED RADISH—A mixture of all the best varieties.

Price of all Radishes listed: Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; 5 lbs., \$3.50.

ALL POSTPAID

JAPANESE RADISH VARIETIES:

NERIMA—Long, narrow, flesh snow white, sweet and brittle. Good keeper. Pkt. 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.50. Postpaid.

TOKINASHI—Very long. Finest of this type of Radish. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.50. Postpaid.



SPINACH—PRICKLY WINTER

Spinach

CULTURE—Sow in drills 12 to 18 inches apart, and for a succession, plant every two weeks. Cultivate often and keep free from weeds. Sow from September 1 to April, using one ounce of seed to 75 feet of row and from 20 to 25 pound to the acre.

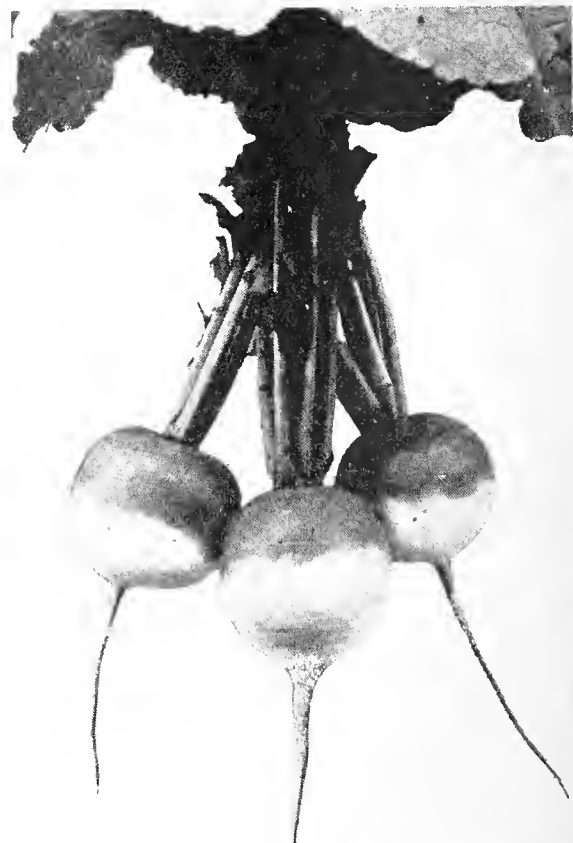
PRICKLY WINTER — HOLLANDIA — (Broad Leaf)—A splendid Fall and Winter variety, quick growing with large green leaves. The leading variety. Ask for quantity prices. Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 50c; 5 lbs., \$2.25, postpaid.

BLOOMSDALE—Has thick, dark green wrinkled leaves and is very hardy. Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 50c; 5 lbs., \$2.25, postpaid.

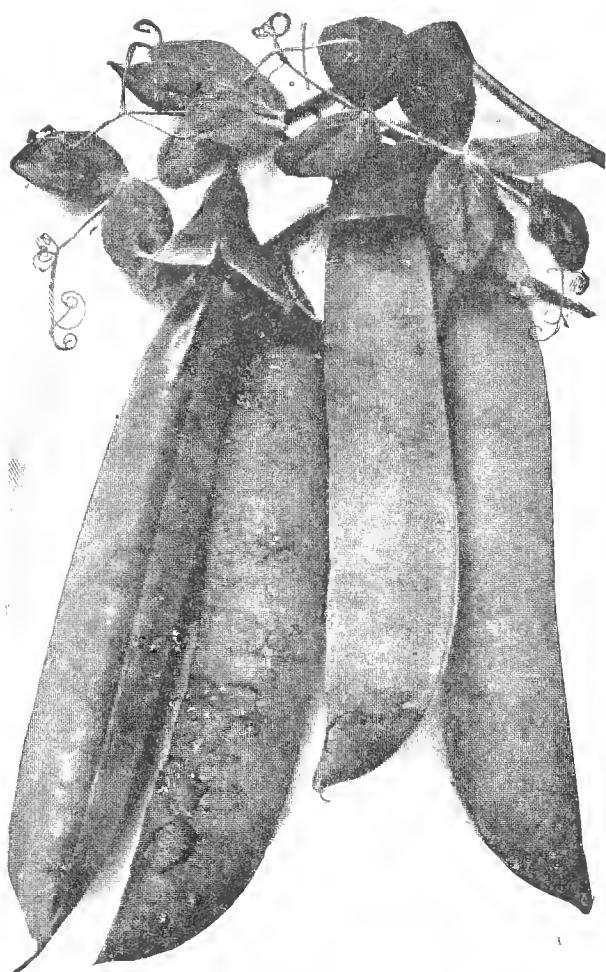
NEW ZEALAND — A large seeded cut-and-come-again variety. Not planted commercially. One plant will cover a four-foot area. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c, postpaid.

Salsify

SANDWICH ISLAND—An improved type and the largest and most delicious Salsify in cultivation. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25, postpaid.



TURNIP—PURPLE TOP WHITE GLOBE



PEAS—EARLY LAXTONS PROGRESS

Radishes

CULTURE—Radishes may be planted almost any month of the year in southern Arizona with the exception of the hottest months. Plant one ounce of seed to 100 feet of drill, ten pounds to the acre.

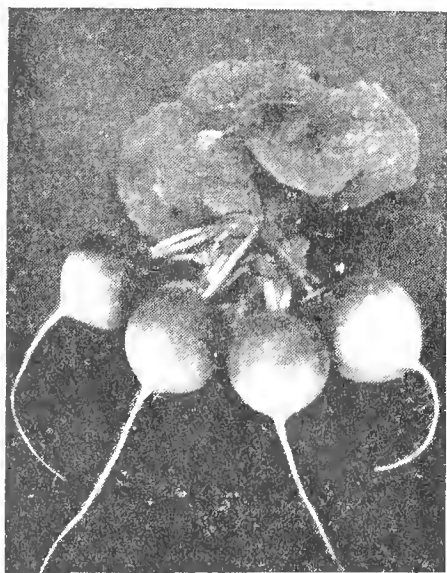
LONG WHITE ICICLE — The most popular long white radish.

EARLY LONG SCARLET—Long bright scarlet. Very brittle and sweet. Matures early.

WHITE TIPPED SCARLET TURNIP—A table dainty, crisp, tender and sweet.

EARLY SCARLET TURNIP — A handsome scarlet, crisp and juicy.

CRIMSON GIANT—Twice as large as any other turnip-shaped variety. Does not get hollow or pithy.



RADISH—EARLY WHITE TIPPED SCARLET

Plant Liefgreen's Finer Vegetable Seeds

SQUASH

CULTURE—Sow in the Spring after all danger of frost is over and also in the Fall in time to mature a crop before frost. Light, warm soil is best. Plant bush varieties in hills three to four feet apart and vining varieties from six to eight feet apart. Plant about six seeds to the hill and thin out to the three best plants. One ounce will plant about 40 hills of bush varieties and about 15 hills of vining varieties. Two or three pounds is required to the acre.

For very early plantings protect them with Hotkaps.

ALL VARIETIES SQUASH SEED PRICED AS FOLLOWS: Pkt., 5c; 1 oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25. POSTPAID. WRITE FOR QUANTITY PRICES.

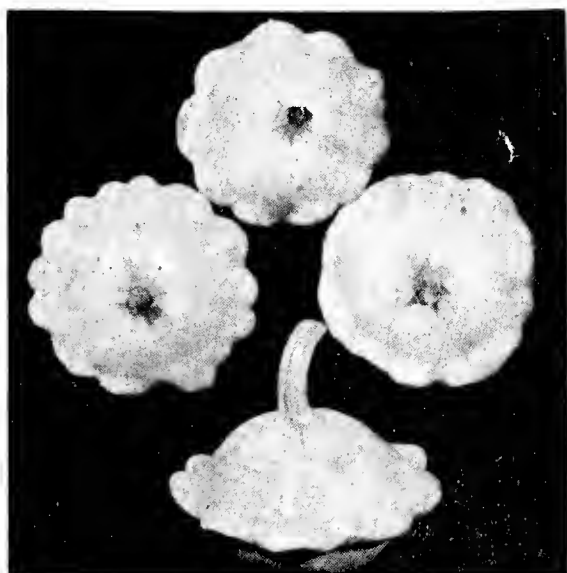
Summer Varieties

BLACK ZUCCHINI or ITALIAN—The most desirable sort for the home and market garden. The fruits are long and very dark green. Vines are bush formed and very productive. Fruits are used when quite young and average 4 to 6 inches long.

GOLDEN YELLOW STRAIGHTNECK—Select type of golden summer squash with a straight neck instead of curved.

EARLY SUMMER CROOKNECK—A small crookneck Summer Squash. Skin bright yellow. This is the richest of Summer Squashes. Very early and productive.

IMPROVED GREEN TINT WHITE BUSH SCALLOP—Similar to the White Bush Scallop, but selected for the darker green fruit which holds its color longer and makes it very desirable for market purposes. (Bush.)



IMPROVED GREEN TINT BUSH SQUASH

Winter Varieties

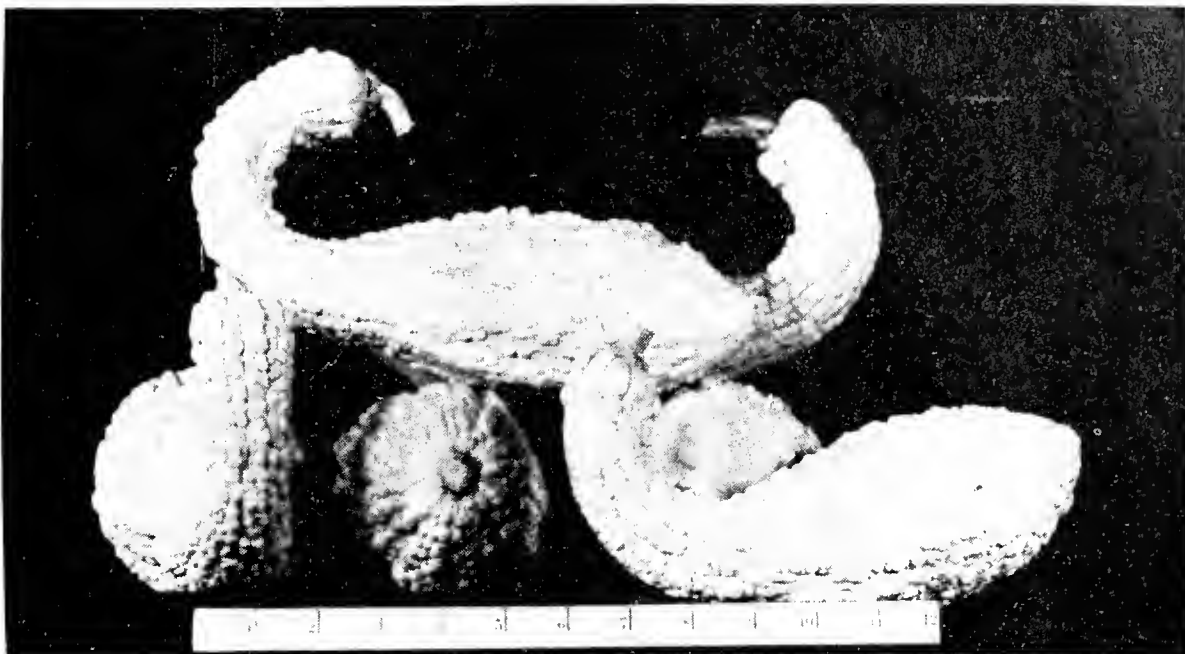
FORDHOOK—One of the best late varieties and will keep well through the winter if stored in cool, dry place. Thick skin of bright yellow color, heavy meat. Excellent for baking.

TABLE QUEEN—A small green squash growing about 7 inches long and 4 to 5 inches thick. Very sweet and fine grained. An excellent keeper for winter use.

IMPROVED GREEN HUBBARD—The most popular hard-shelled Squash for baking and for pies. Dark, bronze green skin and flesh is fine-grained, thick, dry, and richly flavored.

GOLDEN HUBBARD—Similar to green Hubbard except in color, which is a deep orange.

BANANA—A popular soft shell variety growing 18 inches to 2 feet long, 6 to 8 inches in diameter; skin grayish blue; flesh yellow and fine grained.



EARLY CROOKNECK

TOMATOES

CULTURE—Tomatoes do best in light, warm rich soil. Sow in hot beds about eight weeks before they are to be set in the field. The time of planting depends on the soil and climatic conditions. If you want early market Tomatoes, we advise covering with Hotkap Plant Protectors for frost protection. Transplant 3 to 6 feet apart in rows 4 to 6 feet apart, the distance apart to be governed by the nature of the plants, whether compact, upright growth or of vining habit. Plow and pulverize the soil to a good depth so that the roots may penetrate deeply and avoid the hot surface soil. Use about one-fourth pound of seed for field planting or one ounce of seed for every 2,000 plants in the hot bed.

SELECT EARLIANA—The most popular first early variety grown in the Salt River Valley. The plant is very hardy, with light foliage which tends to early ripening. Yields well and the fruit is solid and of fine quality. Pkt., 5c; oz., 40c; 1/4 lb., \$1.35; 1 lb., \$4.00, postpaid.

FIRST EARLY—An exceptionally good strain of Earliana type. Fruit high color, solid and smooth. This tomato packs well and is a good shipper. One of the best of the early tomatoes. Pkt., 5c; oz., 60c; 1/4 lb., \$2.00; 1 lb., \$6.00, postpaid.

CHALK'S EARLY JEWEL—Nearly as early as Earliana. Fruit large and of fine flavor. Pkt., 5c; oz., 40c; 1/4 lb., \$1.35; 1 lb., \$4.00, postpaid.

BREAK-O-DAY—One of the earliest varieties. Medium size, solid fruit of bright red color. Excellent for the home garden, market and shipping. Pkt., 5c; oz., 40c; 1/4 lb., \$1.50; 1 lb., \$4.50, postpaid.

IMPROVED NEW STONE—The most popular Summer Tomato. Good size, bright red, solid, smooth and enormously productive. Pkt., 5c; oz., 50c; 1/4 lb., \$1.65; 1 lb., \$5.00, postpaid.

NORTON WILT RESISTANT—A wilt resistant Stone Tomato that has gained popularity owing to its wilt resistant qualities. Pkt., 5c; oz., 50c; 1/4 lb., \$1.65; 1 lb., \$5.00, postpaid.

MARGLOBE—The vine is vigorous, resistant to disease, fruit a large, slightly flattened globe, of fine bright color, very firm and meaty and of the very best quality. Pkt., 5c; oz., 50c; 1/4 lb., \$1.65; 1 lb., \$5.00, postpaid.

DWARF CHAMPION—Commonly called Tree Tomato, early, medium large, purplish pink fruit. Pkt., 5c; oz., 50c; 1/4 lb., \$1.65; 1 lb., \$5.00, postpaid.

PHOENIX SPECIAL—A good Summer Tomato. Bright purple scarlet, almost globular in shape. Very productive and quite early. Pkt., 5c; oz., 50c; 1/4 lb., \$1.65; 1 lb., \$5.00, postpaid.

PONDEROSA or BEEFSTEAK—A very large Tomato with very few seeds and of excellent flavor. The color is bright red with very firm substantial meat and luscious flavor. Pkt., 5c; oz., 60c; 1/4 lb., \$2.00; 1 lb., \$6.00, postpaid.

PENN STATE—Certified—Very early maturity. Seed from HAND PICKED CROWN SET TOMATOES. An Earliana cross superior in many ways. Self-topping type of vine—short thick stems, compact plants. Fruits are borne in clusters and ripen evenly at about the same time, requiring fewer pickings. Medium in size, smooth, slightly flattened—good red color inside and out and of fine solid internal structure with small seed cavities. Pkt., 5c; oz., \$1.00; 1/4 lb., \$3.00.

DWARF STONE—Very erect habit of growth, allowing plants to be set as close as 18x24 inches. Very prolific, smooth, and ripens early. Color bright red. Pkt., 5c; oz., 50c; 1/4 lb., \$1.65; 1 lb., \$5.00, postpaid.

RED CHERRY—Small bright scarlet fruits borne in clusters. Pkt., 10c; oz., 60c, postpaid.

HUSK OR GROUND CHERRY TOMATO—Immensely productive; the small fruits are enclosed in a husk. Pkt., 10c; oz., 60c; postpaid.

YELLOW PEAR—The favorite for preserves. Bright yellow pear-shaped fruit. Rich and distinct flavor. Pkt., 10c; oz., 60c; postpaid.

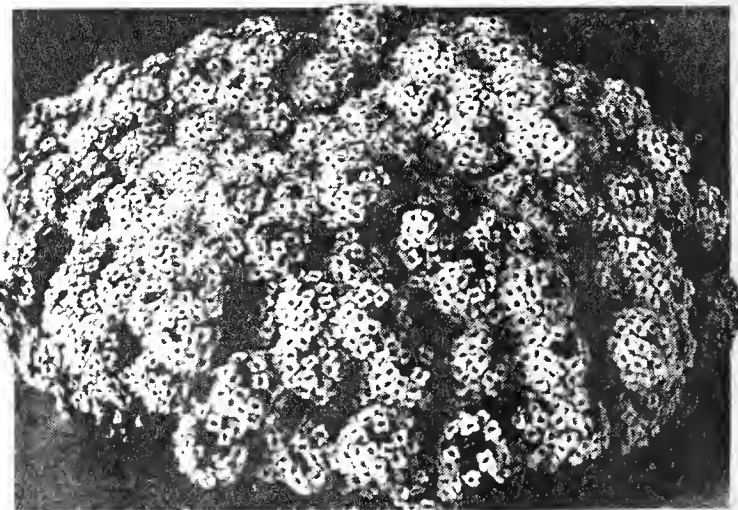


SELECT NORTON WILT RESISTANT

Liefgreen's 1939 Flower Seed Section

General Planting Suggestions

Light, rich loamy soil is best suited to flowers. If the soil is of a heavy nature, add sand or peat moss and a liberal scattering of air-slacked lime to form a better texture. Prepare the soil as fine and smooth as possible. The depth of planting flower seeds is very important. Very fine seeds should be planted on the surface and pressed into the soil, then sprinkle over the surface a light mulch to aid germination. Medium sized seeds should be planted $\frac{1}{4}$ to $\frac{1}{2}$ inch deep, while larger seeds such as Sweet Peas, should go deeper. A light mulch should be spread over all seeds planted, as it is the best method of keeping the soil moist and cool. Water with a fine spray to avoid washing the soil from the seeds. When large enough, thin young plants from 2 to 12 inches apart, depending on the variety. Give them plenty of room to develop, allow plenty of moisture and good drainage and the results will surprise you.



ALYSSUM LITTLE GEM

Sweet Alyssum

Without a doubt the best border plant we have. Very hardy and blooms throughout the Fall, Winter and Spring months.

LITTLE GEM—Very dwarf and a profuse bloomer, making a solid mass of white all winter. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

SAXATILE—(Basket of Gold)—A hardy (dwarf variety) bearing a profusion of golden yellow flowers. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c.

LILAC QUEEN—Good compact habit and a very pretty deep lavender lilac in color. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c.

DWARF MIXED—A blend of the dwarf varieties which makes a beautiful border. Pkt., 10c; oz., 40c.

African Daisy

(*DIMORPHOTECA AURANTIACA*) This showy annual has become a great favorite on account of its easy culture and beautifully colored flowers. They make a very brilliant effect when used for massing or for borders. Plant during the early Fall and Winter months.

AURANTICA—Brilliant orange. Pkt., 10c; $\frac{1}{4}$ oz., 30c; oz., \$1.25.

HYBRIDS—Mixed colors. Pkt., 10c; 10c; $\frac{1}{4}$ oz., 30c; oz., \$1.25.

Arctotis

GRANDIS—Half hardy annual, bearing daisy-like flowers. Color pearl white with mauve center. Height 2 ft. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

Asters

Sow Asters in boxes and hot beds in January and transplant outdoors as soon as weather conditions allow. Asters are better suited to the higher altitudes of Arizona.

AMERICAN BEAUTY (Early Flowering)—This is a new type of Aster, exceptionally valuable for its earliness and long flowering season. Mixed colors only. Pkt., 10c; $\frac{1}{4}$ oz., 50c; oz., \$1.50.

Ageratum

BLUE PERFECTION—Fine for borders. Pkt., 10c.

Amaranthus Caudatus

(*LOVE LIES BLEEDING*)—Splendid plants for a tropical effect in mixed borders and shrubbery. Flowers in long, drooping panicles, bright crimson. Height, two feet. Pkt., 10c.

Anemone

GIANT FRENCH SINGLE MIXED—Easily grown from seed as well as from bulbs. Sow in the Fall or in the Spring, covering the seed lightly with a mulch of sand and finely pulverized fertilizer. Pkt., 10c.

Asparagus Fern

PLUMOSUS—A tender perennial for greenhouse or potted plant use, with long, fine feathery foliage. Seeds start slowly and should be soaked in water before sowing. Pkt., 10c; 100 seeds, 50c.

SPRENGERI—A hardy variety. Used as a pot plant. Suitable in groups of potted flowers or in hanging baskets. Pkt., 10c; 100 seeds, 45c.



AFRICAN DAISY

Bachelor Button

(*CENTAUREA*)—Commonly called Bachelor Button or Cornflower. Plant during Fall and Winter months. Very easily grown and a great favorite as a cut flower. Height from 12 to 24 inches. Mixed colors. Pkt., 10c; oz., 40c.

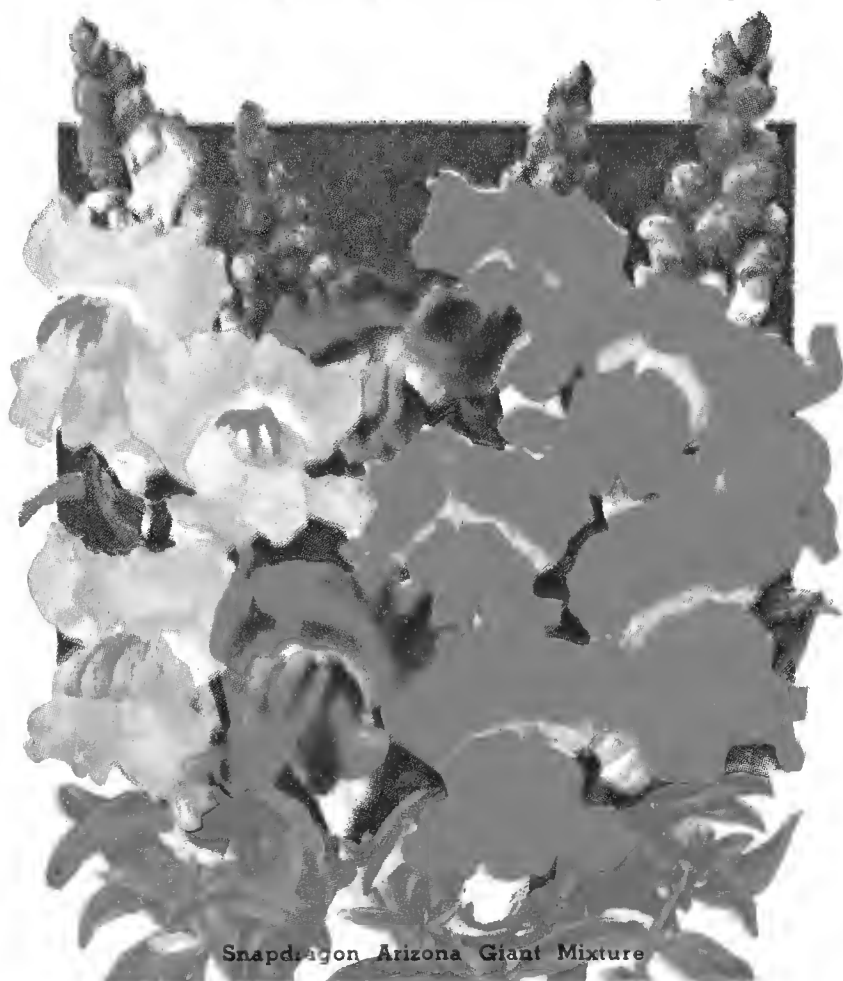
FLORISTS BLUE—Pkt., 10c; oz., 60c.

Balsam

(*LADY SLIPPER*)—A tender annual used for beds and borders. The foliage is brittle and the wax-like single and double flowers are very attractive. Height two feet. Plant in March, April and May. Mixed colors. Pkt., 10c; oz., 25c.

Browallia (Amethyst)

ELTA BLUE—Very free-flowering half-hardy annual, covered with bright blue flowers. Used both for bedding and cutting; height 18 in. Pkt., 10c; $\frac{1}{4}$ oz., 40c; oz., \$1.25.



Snapdragon Arizona Giant Mixture

Giant Snapdragon (Antirrhinum)

LIEFGREEN'S ARIZONA GIANTS—Snapdragons are one of the most valuable and decorative flowers. Can be easily grown from seed; thrive in any soil and bloom freely. Plant in the open in the Fall or Spring months. If cut back during the Summer the plants will bloom for several years. We offer the following colors in the tall Mammoth flowering types:

QUEEN VICTORIA—A magnificent pure white.

CARDINAL—A beautiful dazzling scarlet.

GOLDEN KING—Giant Golden Yellow.

BRONZE HARMONY—Terra cotta orange, shaded rose.

ROSE QUEEN—A beautiful soft pink.

OTHELLO—Dark maroon, satin sheen, dark foliage.

Named Varieties as above: Pkt., 10c; $\frac{1}{4}$ oz., 60c; oz., \$2.00

LIEFGREEN'S SPECIAL MIXTURE TALL GIANT FLOWERING SNAP-DRAGON—A well balanced mixture of the above colors and many others. Per Pkt., 10c; $\frac{1}{4}$ oz., 40c; oz., \$1.25.

LIEFGREEN'S GIANT SNAPDRAGON COLLECTION

One each of above 6 named varieties:
6 packets (60c value) 40c. postpaid.

Semi-Dwarf Antirrhinum (Snapdragon)

About 15 inches tall—A superb new strain which is excellent for all garden purposes and cut flowers. They are free-flowering, bearing dense spikes of exquisite blooms of lasting beauty.

FASCINATION—Deep flesh pink.

LUTEUM SUPERBUM—Lovely brilliant yellow.

VICTORY—Terracotta orange bronze.

DAZZLER—Beautiful scarlet—well named.

WHITE WONDER—Giant pure white.

Pkt., 15c; $\frac{1}{4}$ oz., 75c.

MIXED—A splendid mixture of a wide range of brilliant colors. Pkt., 10c., $\frac{1}{4}$ oz., 60c.

• All Flower Seeds Shipped Direct Postpaid •



COLUMBINE

Columbine

(**AQUILEGIA COLUMBINE**) A hardy perennial of graceful habit, growing about 2 ft. high. The flowers are attractive and beautifully adapted for cut flowers. They may be successfully grown in partial shade. Fall sown seed will bloom the following Spring. Thrives well in Arizona. Double Mixed. Pkt., 10c; ¼ oz., 40c.



Carnation Marguerite Double
Special Mixture

Carnation

Plant from September until April. Cover the seed lightly and protect until established. Transplant to about 12 inches apart in permanent location. Light shade is best suited to Carnations.

MARGUERITE MIXED—18 inches—mostly double flowers. Pkt., 10c; ¼ oz., 60c.

Caster Bean

(**RICINUS**) Tall, tree-like. Very ornamental; large-leaved variety. Excellent for shade and for grouping. Plant in the Spring after all danger from frost. Pkt., 10c; oz., 15c.

Canterbury Bells

2 to 2½ feet. A hardy perennial. Will bloom the first Spring if planted early in the Fall. Mixed colors. Pkt., 10c.

Canna

CROZY'S BEST MIXED—Pkt., 10c.

Calliopsis

Height 2 to 3 feet. Showy and beautiful, free flowering annual of easy culture, thriving in most any location, and blooms all Summer. Excellent for cutting and massing. Plant from September to May. Bicolor—Dwarf Mixed. Pkt., 10c; oz., 40c.

Candytuft

One of our best plants for edging, bordering and for cutting. A hardy annual bearing large flower clusters during the Spring season. Plant from September throughout the Winter and early Spring months. Height about 12 to 18 inches.

UMBELLATA—White, Lavender, Pink, Crimson and Mixed. Pkt., 10c; oz., 40c.

One each of the above 4 colors of Candy-Tuft, 30c.

Chrysanthemum

Annual. A very showy mixture containing the most popular shades. Plant during early Spring months. Double Mixed—Pkt., 10c; oz., 45c.

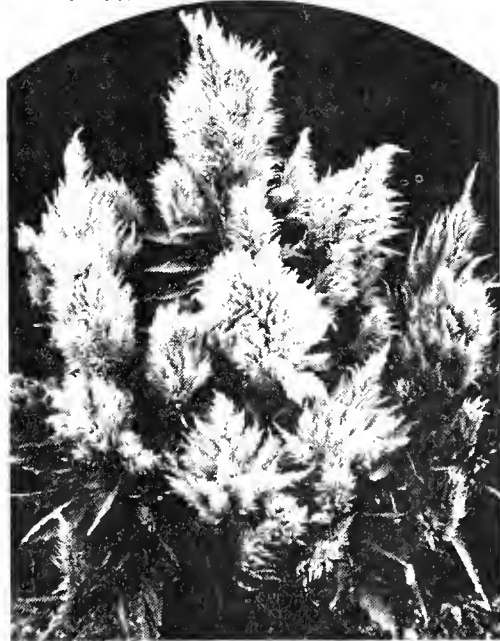
Celosia Cristata

(**COCKSCOMB**)—Annual. Plants are very ornamental and strong growers, producing magnificent combs of velvety flowers. Of easy garden culture and very attractive. Plant in early Spring.

TALL MIXED—A mixture of rich velvety colors. Pkt., 10c; ¼ oz., 35c.

TALL CRIMSON—Brilliant crimson combs borne on stems about 2 ft. tall. Pkt., 10c; ¼ oz., 65c.

EMPRESS—Dwarf red. Pkt., 10c; ¼ oz., 65c.



CELOSIA PLUMOSA

Celosia Plumosa

(**FEATHERED COCKSCOMB**)—A very fine selection of the Feathered Celosia containing many pleasing shades of color ranging from pale yellow to the deepest crimson. Mixed colors. Pkt., 10c.

Celosia Mixed

A mixture of the Feathered and the Cristata Celosia. Many pleasing colors. Pkt., 10c.



Liefgreen's New Orange Calendula

IMPROVED CAMPFIRE (SENSATION)—This year we are presenting a vastly improved form of the old favorite CAMPFIRE. Its color is well known. A very deep, strong orange with a distinct scarlet sheen on the upper side of petalage as the older type, but are much larger, measuring at least four inches in diameter. The strong plants produce generously and the flowers have long heavy cutting stems. Pkt., 15c; ¼ oz., 30c; ½ oz., 50c; oz., 90c.

Calendula (Pot Marigold)

(**POT MARIGOLD**)—Height 12 to 18 inches. One of our most popular Winter and Spring flowers and very easily grown. Valuable as a cut flower. Plant from September throughout the Winter months. Space plants about 12 inches apart.

CALENDULA CHRYSANTHA—**CHRYSANTHEMUM FLOWERED** The name Calendula Chrysantha is well adapted to this large flower, of a cheerful, exquisite shade of buttercup yellow and it is an outstanding addition to the Calendula family. Pkt., 10c; ½ oz., 40c; oz., 75c.

CALENDULA SHAGGY—**ORANGE COLORED SHAGGY**—The petals are long, deeply fringed or lacinated. Row upon row of these informal petals overlap each other, forming a shaggy-like flower of surpassing beauty. In color, it is a warm, deep orange. Pkt., 10c; ½ oz., 40c; oz., 75c.

LIEFGREEN'S ORANGE KING—A splendid Calendula. Bright orange red with dark center. Flowers fully three inches in diameter when properly grown. Pkt., 10c; oz., 40c.

LEMON QUEEN—Like Orange King excepting the color is pure Lemon. Pkt., 10c; oz., 40c.

RADIO—A novel and attractive addition to Calendula group. Deep Orange in color with petals evenly and prettily frilled. Pkt., 10c; oz., 50c.

CAMPFIRE—A superb variety, color deep fiery orange. Pkt., 10c; oz., 75c.

DOUBLE MIXED CALENDULA—A splendid mixture of the various shades of lemon and orange. Pkt., 10c; oz., 30c.

All flower seeds postpaid.



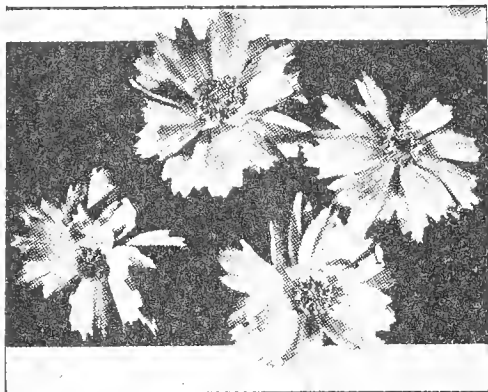
Colorful Spring Flowers Beautify The Home

Coreopsis

Very hardy, growing in most any location. Sow seed in the Fall and throughout the Winter months. Blooms throughout the Summer months.

NEW DOUBLE COREOPSIS—Sunburst—Fully Double—a great improvement over the single Coreopsis. Pkt., 10c; ½ oz., 75c.

(LANCEOLATA GRANDIFLORA)—Single. Very hardy, growing in most any location. The golden yellow flowers continue to bloom throughout the entire season. Excellent for cutting. Pkt., 10c; oz., 50c.



COREOPSIS DOUBLE

Centaurea Moschatos

(SWEET SULTAN) The large thistle-like blossoms are borne on long strong stems; when cut will last in good condition for several days; 2½ feet tall. Sow in the fall or winter months so that they may perfect their flowers before very hot weather comes.

MIXED COLORS—Pkt., 10c; ¼ oz., 25c; oz., 75c.

Chinese Woolflower

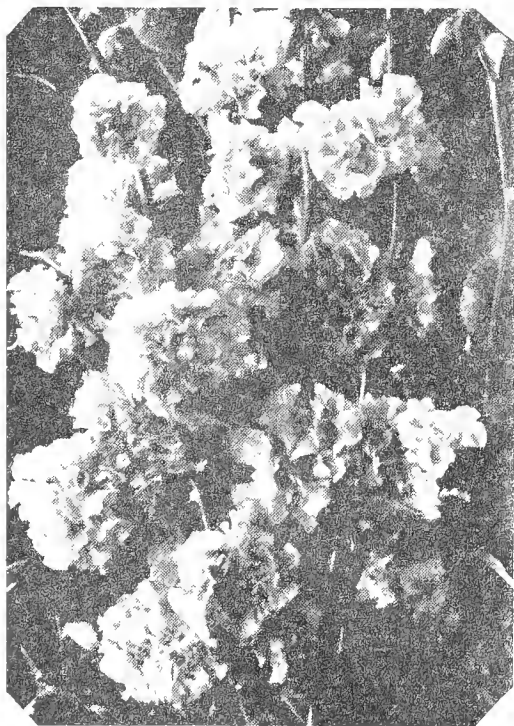
As the name suggests, the flower resembles huge balls of wool. When cut, if hung head down until dry, it makes a beautiful everlasting flower. Easily grown. Plant in early Spring. **Mixed colors—Pkt., 15c.**

Dahlia

Sow seeds in beds and transplant to permanent location. **Double Mixed—Pkt., 25c.**

Digitalis

(FOX GLOVE)—Particularly adapted to the higher altitudes of Arizona. Will do well in warmer climates when planted in partial shade. Pkt., 10c; ¼ oz., 30c; oz., 75c.



CLARKIA DOUBLE

Clarkia

An annual of easy culture and very hardy. Thrives in sun or shade. Plant in Fall or Spring. Height, 18 inches. **Double and Single Mixed. Pkt., 10c; oz., 60c.**

Painted Daisies

(ANNUAL CHRYSANTHEMUM)—These hardy annuals are very showy and effective garden varieties. They grow to a height of about 2½ feet, producing a profusion of very lovely daisy-like flowers. They are easily grown excellent for cutting purposes. Plant during Fall months.

All Colors. Pkt., 10c; oz., 45c.

Shasta Daisy

(ALASKA)—This is the finest variety. The flowers are very large and splendid for cutting. Plant in early Fall or Spring. Pkt., 10c; ½ oz., 40c.

GIANT DOUBLE SHASTA DAISY — (Diener's Strain.) Very large and mostly double. New and unusual. Pkt., 25c.



DELPHINIUM

Delphinium

(PERENNIAL LARKSPUR) — Beautiful hardy border perennials with noble spikes of handsome flowers; very useful for cut flowers, etc. Sow in the early Fall in the open ground.

GOLD MEDAL HYBRIDS—The finest hybrids to be found in Delphinium and all the lovely blues, lavenders and mauves in this mixture. The plants are vigorous growers, producing full, handsome spikes. Pkt., 15c; ½ oz., 75c.

DELPHINIUM BELLAMOSUM—A deep royal blue variety. The finest of the dark blue sorts. Per pkt., 15c.

Evening Primrose

A tall growing plant bearing an abundance of large yellow flowers which expand in the evening. May be planted in partial shade. Sweet scented. Pkt., 10c; oz., 25c.



PAINTED DAISIES—FINEST MIXED

Double Daisy

(BELLIS PERENNIS)—Blooms freely in cool weather. Excellent for border, as it grows about four inches high. Plant early in the Fall. **Mixed colors—Pkt., 10c; ½ oz., 60c.**

Dianthus

(CHINESE PINKS)—Hardy annuals, bearing beautifully colored single and double blossoms. Grows about 12 inches high. Plant early in the Fall in rows where plants are to remain, and thin.

DOUBLE HEDDEWIGI MIXED—Pkt., 10c; ½ oz., 50c.

SINGLE HEDDEWIGI MIXED—Pkt., 10c; ½ oz., 40c.

Didiscus Coeruleus

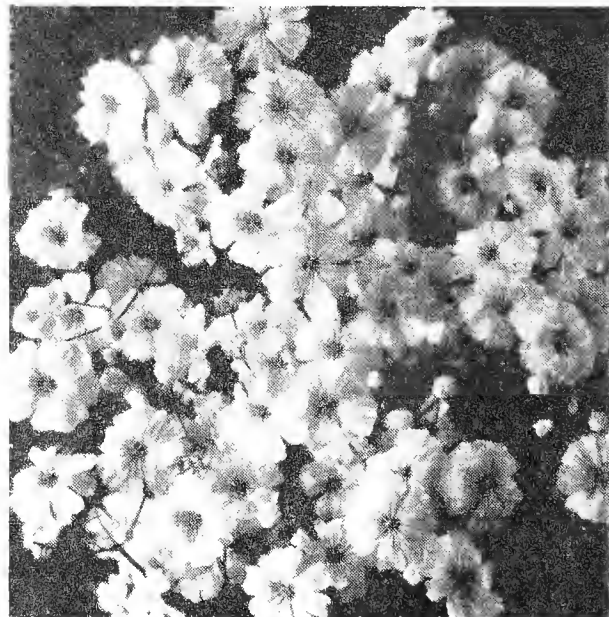
(BLUE LACE FLOWER)—Attractive annual plants with beautiful long-stemmed pale lavender flowers that resemble lace. Grows about 18 inches high. As the seed germinates slowly, a light mulch over the surface would be beneficial. Pkt., 10c; ¼ oz., 50c.

Gypsophila

(BABY BREATH)—Pretty, free flowering elegant plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut flowers. Sow during the Fall and Winter months.

ELEGANS GRANDIFLORA—Pure white—Pkt., 10c; oz., 25c.

GYPHOPHILA—Elegans Carmine—A beautiful deep carmine color. Fine for cutting and bouquets and very lasting. Plant same as white. Pkt., 10c; oz., 35c.



GYPHOPHILA IMPROVED GRANDIFLORA

ALL FLOWER SEEDS ARE POSTPAID

• Buy Liefgreen's Carefully Selected Seeds •



Cosmos Sensation Pinkie

The sensation type of Cosmos is today the favorite for cut flower use. The fact that the flowers are of immense size, 4 to 5 inches or more in diameter, with broad fluted petals which slightly overlap, giving a very full single flower, make it ideal for cut flower use. These large flowers are carried on very long strong stems and are freely produced on plants which reach a height of 3 to 4 feet and have a fairly heavy growth of foliage. The flowers are produced within 8 to 10 weeks from the time seed is sown. While the flowers are large enough for any ordinary use, some may prefer to disbud for even larger blooms. Pinkie is the delightful rose pink shade.

SENSATION PINKIE—Pkt., 15c; 1/4 oz., 60c.

Sensation Cosmos Mixed

Immense flowers, 4 to 6 in. across, deep pink, light pink, and white in mixture. Will bloom in about 10 weeks and continue until frost. 4 to 6 feet high. Pkt., 10c; 1/4 oz., 50c.

Euphorbia

VARIAGATA (Snow on the Mountain)—Very pretty annual plant with white and green edged foliage. Easy to grow. Height 2 ft. Pkt., 10c.

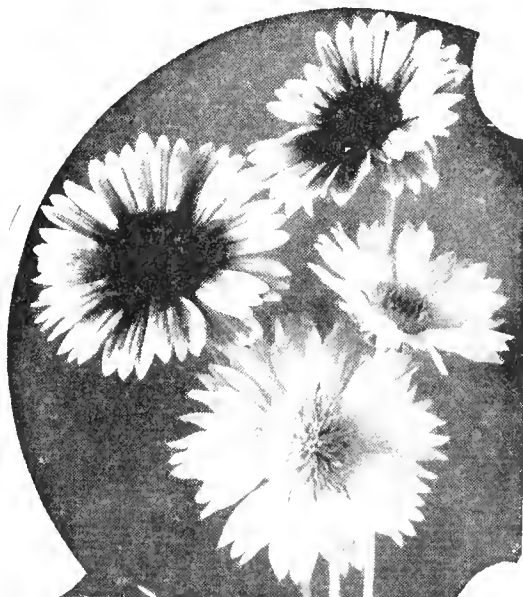
HETEROPHYLLA (Mexican Poinsettia)—This annual grows 3 feet high and resembles the Poinsettia. The glossy green leaves turn to a beautiful orange-scarlet in midsummer. Pkt. 10c.

Godetia

(Tall Double Mixed)
Quick growing and profuse flowering hardy annual of showy colors. Easily grown. Sow seed early in open ground in the Fall months. Pkt. 10c; oz., 50c.



Godetia
Tall Double



Gaillardia

There is nothing more admired for their rich blending of colors than the Gaillardia. They thrive everywhere and their colors are very gorgeous. Will bloom all Summer. Single and Double Mixed. Pkt., 10c; oz., 75c.

THE DAZZLER—A charming new single Gaillardia of immense size. Pkt., 15c; 1/4 oz., 50c.



Cosmos Early Klondike Orange Flare

Early Orange Flare

(GRAND CHAMPION GOLD MEDAL WINNER 1935. ALL AMERICAN COMPETITION.) This Cosmos has become a great favorite. It has the same vivid orange flower and light green foliage as the Klondike Cosmos, but is much earlier, blooming from seed in less than four months. Pkt., 10c; 1/4 oz., 40c.

Cosmos

Early Mammoth Flowering. Sow seed early in the Spring. When the plants are about 12 inches high pinch the tops back to make them branch.

EARLY MAMMOTH—Pink, Crimson and white. Pkt., 10c; 1/4 oz., 25c; oz., 60c.

EARLY MAMMOTH MIXED—Pkt., 10c; 1/4 oz., 20c; oz., 60c.

EARLY DOUBLE CRESTED COSMOS—A beautiful double or crested center Cosmos. Flowers are very large and make a striking appearance. About 75 per cent of the plants will produce crested flowers. Mixed colors. Pkt., 15c; 1/4 oz., 60c.

KLONDIKE COSMOS—Bloom in the Fall of the year. A handsome flower of brilliant orange yellow, very large. Thrives well in Arizona, but requires a long growing season. Plant early in the Spring. Pkt., 10c; 1/4 oz., 35c.

Forget-Me-Not

(MYOSOTIS)—A perennial with small blue star-like flowers in clusters. Plant in the early Spring months and transplant to a cool, moist location. Pkt., 10c.

Four O'Clock

A hardy annual of easy culture growing about two feet tall. Very free flowering, bearing blooms of a great variety. Plant during the early Spring months. Pkt., 10c; oz., 30c.

Liefgreen's Summer Varieties Are Leaders

FOR SUMMER BLOOMS



Marigold Dwarf French Double Harmony Marigold

HARMONY—Dwarf and compact. Gorgeous blooms with cushion-like centers of fluted, deeply-cut golden orange petals, surrounded by several rows of reddish-brown outer petals. Early and free blooming. Distinct and very choice. One of the finest. Pkt., 15c; 1/4 oz., 35c; oz., \$1.00.



New African Marigold GIGANTEA — SUNSET GIANTS MIXED

The largest Marigold ever grown averaging 5 to 7 inches across. Flowers are loosely formed, very full centered, with broad, heavy petals gracefully overlapping. Colors range from deep orange through all shades of yellow. Height 3-4 ft. Per pkt., 25c; 1/8 oz., 50c; 1/4 oz., 85c.

The Marigold is a hardy annual growing from six inches to 2½ feet tall. Flowers in various shades of yellow and orange. Very useful for bedding and for borders. Plant after all danger from frost is over. Cover the seed about one-eighth inch deep and when up thin out to ten or twelve inches apart.

TALL AFRICAN DOUBLE ORANGE—Beautifully formed flowers of gigantic size and bright colors. Pkt., 10c; 1/4 oz., 40c; oz., \$1.25.

TALL AFRICAN DOUBLE LEMON—A pure citrus yellow. Large flower. Pkt., 10c; 1/4 oz., 40c; oz., \$1.25.

TALL AFRICAN DOUBLE MIXED—The above colors mixed. Pkt., 10c; 1/4 oz., 30c; oz., 50c.

DWARF DOUBLE FRENCH MIXED—Flowers much smaller than the African. Grows about ten inches high and greatly prized for bedding. Pkt., 10c; 1/4 oz., 20c; oz., 50c.

GUINEA GOLD—The flowers of this exquisite Marigold are loosely ruffled, semi-double and of medium size. The color, a brilliant golden orange, is not found in any other Marigold. As a cut flower, it is ideal, especially for bowl arrangement. Height 2-2½ ft. Pkt., 10c; 1/4 oz., 35c; oz., \$1.00.

Gerbera

(Jamesonii Hybrids)

Large daisy-like blossoms with flower stems rising to a height of about two feet. Is also called Transvaal Daisy. Colors range from white to crimson, pink, rose, yellow and lilac shades. Start carefully under a light mulch in a sandy, well-drained soil if possible. Pkt., 25c.

Geranium

Geraniums will bloom the first year from seed if planted early in the Fall. Our mixture contains numerous shades of color, including many of the newest sorts. Pkt., 15c.

Geum

(MRS. BRADSHAW—DOUBLE RED)—A beautiful hardy perennial producing flowers in profusion all Summer. An excellent keeping cut flower, having long stems.

Large bright orange scarlet double flowers. Pkt., 15c.

Heliotrope

A half-hardy perennial growing 4 to 8 feet high. Small flowers, borne in graceful clusters and very fragrant. Blooms first season from seed if sown early. Forms a large plant and requires a roomy situation. Dark blue. Pkt., 15c.

Hollyhocks

One of the most majestic and desirable of hardy perennial plants, and a group or line in any garden gives an effect not obtainable with any other flower.

EXTRA DOUBLE FLOWER MIXED—Seed for this mixture is saved from the very finest extra double flowers only. The best and most gorgeously colored. Pkt., 10c; 1/4 oz., 50c.

HOLLYHOCK CHATERS — Superb double Separate colors in Newport pink, white, yellow and crimson. Pkt., 10c; 1/4 oz., 75c.



Double Hollyhock

• Seeds From Quality Selected and Tested Stock •

Ice Plant

(*Mesembryanthemum*) **CRYSTALLINUM**—The variety is largely grown for glistening foliage. Leaves are large, fleshy and covered with glistening dots. The flowers are small and white. Plant Fall and Spring. Pkt., 10c.

Kochia

CHILDSII (Summer Cypress) — A highly ornamental annual having a cypress-like appearance. Its bright autumn coloring has given it two other names, "Mexican Fire Plant" and "Burning Bush." Plant during the Summer months. Pkt., 10c; oz., 30c.

Lobelia

CRYSTAL PALACE—Undoubtedly the finest dwarf blue Lobelia for bedding. Plants very compact, profusely covered with rich, blue flowers. Height 4 inches. Plant during Fall months. Pkt., 10c.

Linum

(**SCARLET FLAX**)—*Grandiflorum Rubrum*—A hardy annual of slender and graceful appearance with fine foliage and bright red flowers. It makes beautiful beds or borders and is largely used for mass display. Scarlet Flax makes a fine Fall and Winter flower, blooming profusely for several months. May also be sown in the Spring. Height 1½ to 3 feet. Pkt., 10c; oz., 40c; ¼ lb., \$1.00.

PERENNE (Blue Flax)—Slender growing hardy annual producing a profusion of light blue flowers. Height 2½ ft., Pkt., 10c; oz., 50c.

Lupin

One of the most attractive and easiest grown flowers. The plants grow two to five feet high and have handsome spikes of flowers which are fine for cutting. If the plants are not allowed to go to seed they flower for several months in the Spring. Plant during the Fall, Winter, and Spring months. Plants should be thinned out to about 12 inches apart, as they grow quite large.

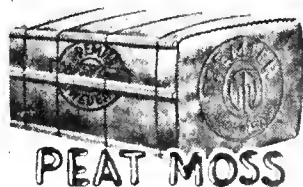
HARTWEGI — Dark Blue, Sky Blue, Roseous Pink and Mixed Colors. Pkt., 10c; oz., 30c.



LUPIN



LINARIA



Produces Better Flowers

Linaria

(**BABY SNAPDRAGONS**) — A pretty garden annual deriving its name from its resemblance to the Snapdragon. Easily grown and are attractive as cut flowers. Plant during the Fall, Winter and Spring months. Height two feet. Our mixture is made up of blue, rose, lavender, yellow, etc., Pkt., 10c; oz., 50c.



Nasturtium Double Glorious Gleam Hybrids, Finest Mixed

The same in habit and growth as Golden Gleam and Scarlet Gleam. An even balanced color range of a glorious assortment of brilliant shades. Pkt., 10c; oz., 25c; ¼ lb., 60c.

NASTURTIIUMS

A favorite flower and very popular because of the great variety of colors and easy culture. Plant in February and March for Spring flowers and early in the Fall in protected places for Fall blooming. **NASTURTIIUMS** prefer dry, rather rocky soil such as we usually call "poor" soil and bear their flowers in such locations in greater profusion than in a rich garden, when they run too much to foliage. This adds to their value for planting over many unsightly places. Do not water too much.

LIEFGREEN'S SPECIAL TALL MIXTURE—This mixture contains the choicest colors of the Tall Nasturtiums, the rich, velvety varieties, and the new hybrids. The flowers are much larger than the old-fashioned kind. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1b., \$1.25.

LIEFGREEN'S SPECIAL DWARF MIXTURE—This superb mixture will give a larger variety of colors in even proportions than any other Nasturtium mixture. Put up from named sorts, and contains many of the new varieties. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1b., \$1.25.

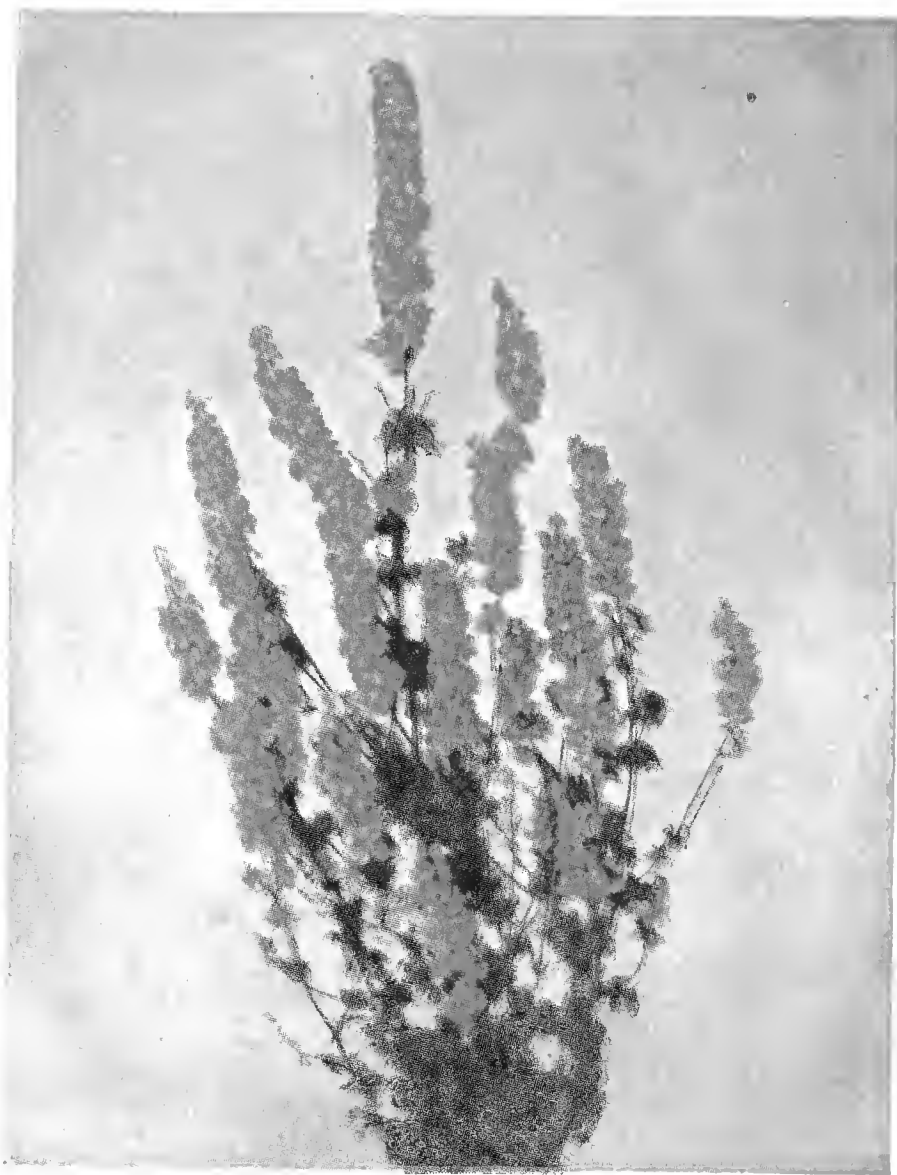
New Double Sweet-Scented Nasturtium

GOLDEN GLEAM—Bush which throws out runners averaging 18 inches. The flowers are double, delightfully fragrant and of an attractive golden yellow color. When at full bloom the entire plant is a blaze of color. Pkt., 10c; oz., 25c; ¼ lb., 60c.

SCARLET GLEAM—Double Sweet Scented Scarlet Gleam. Dazzling in color, delightfully sweet scented, superior in type, extra large flowered, indescribably lovely. Pkt., 10c; oz., 25c; ¼ lb., 60c.

NASTURTIIUM—(Dwarf Double Gem Mixture)—Our GEM MIXTURE is the ideal annual for border and edging use. The plants are truly dwarf and compact, totally without runners. The sweet-scented semi-double flowers are of good size, and gaily cover the gem-like little plants in an evenly balanced, excellent color range which includes shades of yellow, orange, scarlet, crimson, salmon, cerise, cream, maroon and spotted varieties. The mixture contains both dark and light foliage plants. Pkt., 10c; oz., 25c; ¼ lb., 60c.

• Beautiful Bouquets From The Home Garden •



Larkspur—Lustrous Carmine

Larkspur

LIEFGREEN'S GIANT DOUBLE STOCK FLOWERED—This is the finest strain of Larkspur in existence. The flowers are very double and are produced on long stems which makes them excellent cut flowers.

LIGHT BLUE—Clear Azure Blue.

DARK BLUE—(Purple)—Intense Blue.

ROSE—Scarlet.

LILAC—Improved deep lilac.

WHITE—Pure Showy white.

LUSTROUS CARMINE—A beautiful glowing carmine. Produces large flowers on long graceful stems, making very attractive bouquets. Above separate colors. Pkt., 10c; 1/4 oz., 25c; oz., 75c.

MIXED—All of the above in a grand mixture. Pkt., 10c; 1/4 oz., 25c; oz., 75c.

Giant Imperial Larkspurs

A greatly improved strain of the Double-Stock Flowered Larkspur, of upright habit and branching from the base.

SUPERB MIXED—Pkt., 15c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 90c.

Mignonette

A hardy annual growing from 6 to 12 inches high. Can be grown in shady places. Plant during the Fall, Winter and Spring months.

GIANT MACHET, Mixed—Pkt., 10c; oz., 30c.

Nicotiana (FLOWERING TOBACCO)

A hardy annual growing three or four feet high and of branching habit. The plants are covered with slender tubular flowers all Summer. They may be used as a background or as single specimens. Popular for its evening fragrance.

SANDERAE MIXED—A new, large, flowering type with various bright colored blossoms. Pkt., 10c; 1/4 oz., 30c.

Nemophila

(BABY BLUE EYES)—Nice for carpet bedding growing about 6 in. high. Blossoms cup shaped.

INSIGNIA BLUE—Pkt., 10c; oz., 30c.



PORTULACA GRANDIFLORA DOUBLE

Portulaca

For exhibiting a display of dazzling brilliancy the Portulaca is unrivaled. This little plant delights in the sunshine and will stand considerable drought. Has glossy foliage bearing cup-shaped flowers in brilliant colors. They are best sown in the Spring months as it is strictly a Summer plant. Sow the seed shallow in a sunny place and sprinkle lightly.

DOUBLE FINEST MIXED—Flowers perfectly double, of most brilliant colors. Pkt., 15c; 1/4 oz., 75c.

SINGLE MIXED—All colors. Pkt., 10c; 1/4 oz., 45c.



NEW EARLY FLOWERING Tithonia - Speriosa (MEXICAN SUNFLOWER)

BRIGHT ORANGE in color. About ten days earlier and dwarfer than the regular strain. This is an annual, very popular and successful in Arizona. Height, habit and shape of its flowers remind one of a single Dahlia. Grows six to eight feet tall. **PLANT IN SPRING MONTHS FOR LATE SUMMER AND FALL BLOOMING.** Pkt., 10c; 1/4 oz., 50c; oz., \$1.50.

NOTE—Due to absolute crop failure of seed from early frost, we are not listing Tithonia Fireball this season.

Nigella

Hardy annual one foot high, oddly shaped blossoms, elegant foliage. Sow during Fall and Winter months.

MISS JEKYLL—A long-stemmed sort with beautiful Corn-flower-blue blossoms. Pkt., 10c; 1/2 oz., 25c; oz., 40c.

Liefgreen's Flower Seeds Insure Success

Petunias

For garden culture few flowers equal the Petunia in effectiveness. They are especially beautiful for borders and solid beds. They commence blooming early and will bloom throughout the Spring and Fall months. Start planting in September and throughout the Winter and Spring months. Scatter the seed thinly on an even surface and cover with a light layer of sand or manure mulch. Thin out plants to allow sufficient room for growth.

PETUNIA — Improved "Rosy Morn"—Lovely clear pink color, contrasted by a broad white throat. Pkt., 15c; 1/8 oz., 60c.

PETUNIA—General Dodds—A rich, blood-red. The flowers are large and free blooming. Pkt., 15c; 1/8 oz., 35c; 1/4 oz., 60c

PETUNIA — Striped and Blotched — A good Petunia for massing in beds and borders. Pkt., 10c; 1/4 oz., 45c.

PETUNIA—Topaz Rose — At last we have the much desired hybrida rose Petunia which will not fade or burn under the hottest sun. Topaz Rose is a fiery velvety rose of a brilliancy seldom seen. It is slightly suffused with gold which gives it its fiery appearance. Throat is the color of topaz. Pkt., 20c; 1/16 oz., 50c; 1/8 oz., 85c.

PETUNIA—Blue Bedder—A beautiful blue. Pkt., 15c; 1/8 oz., 60c; 1/4 oz., \$1.00.

PETUNIA—Hybrida White — Lovely, pure satiny white flowers are produced in the greatest profusion. Nice if planted to itself or used in combination with other varieties. Pkt., 15c; 1/8 oz., 35c; 1/4 oz., 60c.

PETUNIA—Nana Erecta Violacea—A fine deep violet. Is like velvet and the plant growth erect and compact. Pkt., 15c; 1/8 oz., 40c; 1/4 oz., 70c.



PETUNIA MINIATURE GEM



PETUNIA BURGUNDY—Most unusual and valuable color.—deep Burgundy red enhanced by a rich velvety sheen; glistening white throat veined purplish red. All-America Special Mention. Pkt., 25c; 5 pkts., \$1.00.

Miniature or "Gem" Petunias

NANA COMPACTA

A very symmetrical, dwarf, compact habit of growth, forming a perfect ball effect and literally smothered with blooms. Exceptionally fine for borders, formal beds, rock gardens, pot plants. Height 6-9 in.

PETUNIA GRANDIFLORA NANA COMPACTA VELVET BALL—(All America Selections) — An entirely new color in this streamlined type of Petunia. The compact plants reach a height of about 8 inches with a spread of only 8 to 10 inches, and are almost entirely covered by flowers about 2 1/2 inches in diameter of a luscious deep velvety blood-red shade. Makes a beautiful pot plant as well as being ideal for beds or low borders. Pkt., 25c; 5 pkts., \$1.00.

Martha Washington—Lovely frilled blooms about 3 inches in diameter. Frilled portion of flower is a beautiful blush pink and center portion is strongly veined a rich wine red, deepening in throat to dark violet. Height 9 inches. Pkt., 25c; 5 pkts., \$1.00.

Pink Gem —Exceptionally attractive light pink. Height 6 in. Pkt., 15c; 1/16 oz., 45c; 1/8 oz., 75c.

Rose Gem —Rich deep rose colored flowers 2 inches in diameter. Height 6 inches. Pkt. 15c; 1/16 oz., 45c; 1/8 oz., 75c.

PETUNIA — Giants of California — Fringed and Ruffled. Finest large flowering strain of single Petunias. Magnificent flowers of extra large size, often measuring five inches in diameter, with very deep throat beautifully veined to the base. Mixed colors. Pkt., 25c; 6 pkts., \$1.00.

Pansies

To have Pansies at their best the seed should be planted during the Fall months in a semi-shaded location or in flats and when large enough transplanted where they are wanted to bloom. Plant in rich soil and water liberally. The flowers should be kept picked to prolong the blooming period.

PANSY, Good mixed —Flowers of medium size and beautiful in color. Pkt., 15c; 1/4 oz., 50c.

PANSY, LIEFGREEN'S SWISS GIANT MIXED—A mixture consisting of a selection of giant flowering varieties. The flowers are very showy and the plants of vigorous, compact growth. A very fine strain. Pkt., 25c; 1/16 oz., 60c; oz., 5.00.



LIEFGREEN'S GIANT PANSY



Plant Liefgreen's Tried and Tested Seeds .



Hunnemannia Semi-Double Sunlite

Hunnemannia

(MEXICAN OR GIANT YELLOW TULIP POPPY)—Height 2 ft., bushy. A perennial, flowering the first year from seed and blooming through the greater part of the season. The poppy-like flowers are similar to the California poppy but of a lighter canary yellow. They are excellent for cutting, keeping a long time in water.

GIANT SINGLE—Magnificent golden yellow flowers with orange anthers. Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c.

SUNLITE—Gorgeous semi-double, clear canary yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Pkt., 15c; 1/4 oz., 50c; 1/2 oz., 85c.

Poppies

Probably no class of plants enjoys greater popularity and is more widely grown than the Poppies. The wonderful range of brilliant colors is well known. The poppies are quite hardy and the seed should be sown during the Fall months in a location where the plants are to flower as they do not transplant easily.

CALIFORNIA POPPY—Golden West—Yellow, with orange center. Large flower. Pkt., 10c; 1/2 oz., 35c.

CALIFORNIA POPPY—Brilliant Mixed—A mixture of all the various shades. This mixture makes a very beautiful display of color. Pkt., 10c; oz., 50c.

GIANT SHIRLEY POPPY—No flower is so exceedingly graceful and decorates our gardens with such brilliancy of color as this Poppy. Plants about 18 inches tall. Single mixed. Pkt., 10c; 1/2 oz., 25c; oz., 40c.

SHIRLEY—Double Mixed—Pkt., 10c; 1/2 oz., 30c; oz., 50c.

PEONY-FLOWERED—Imposing double globular flowers resembling double Peonies. Splendid range of colors. Mixed Pkt., 10c; 1/2 oz., 25c; oz., 40c.

PEONY-FLOWERED DOUBLE—in the following colors: Shrimp Pink, Cardinal Red, Pansy Violet, Pkt., 10c; oz., 50c.

Arizona Poppy—Rainbow Group

A mixture of many different shades of brilliant poppies of the Desert and Tulip types. Will cover a large space. Pkt., 10c; oz., 50c.

Oriental Poppies

ORIENTAL RED—Pkt., 10c; 1/4 oz., 50c.

ORIENTAL NEW HYBRIDS MIXED—Immense showy flowers in rich and vivid shades. Pkt., 15c; 1/4 oz., 60c.

GLAUCUM (Tulip Flowered)—Beautiful variety, producing flowers of the most vivid scarlet, effective for beds or masses. Annual. Pkt., 10c., oz., \$1.00.

ICELAND POPPIES—Graceful and hardy. Green-like foliage, formed in tufts, from which issue slender stalks about 15 inches high, bearing brilliant flowers in endless profusion. Sow during Fall months for Spring blooms. Mixed colors. Pkt., 10c; 1/2 oz., 60c.

Pyrethrum

ROSEUM SINGLE MIXED—Perennial 2 feet high, with large Marguerite-like flowers and fine fern-like foliage. Graceful and long lasting cut flowers. Pkt., 10c; 1/4 oz., 40c.

Liefgreen's Beautiful Verbenas

Plant during the Spring and Fall months. Plant shallow and cover the seed bed with a light silt or manure mulch. To aid germination keep the seed bed moist until the plants are well out of the ground. Thin out or transplant to allow plants plenty of space for expansion. Verbena will hold over the Summer nicely, but should be trimmed back in the Fall to induce new growth.

Giant Hybrid Verbenas

Splendid new selections with individual flowers of surprisingly large size and exquisite colors. The plants are unusually vigorous and the immense flower trusses very freely produced.

SPECTRUM RED (New)—Very large brightest red of all.

GIANT SALMON PINK—Huge clusters.

VIOLACEA STELLATA—Deep purple with white eyes.

WHITE—Pure white.

ANY OF THE ABOVE—Pkt., 15c., 1/4 oz., 50c; 1/2 oz., 85c.

GIANT FLOWERING FINEST MIXED—Pkt., 15c; 1/4 oz., 35c., 1/2 oz., 65c.

Mammoth Verbenas

Beautiful large-flowered varieties extensively used for bedding, borders, etc., and keeping well when cut for table decoration, vases.

LUCIFER—Solid scarlet, no eye. 1/4 oz., 50c; oz., \$1.50.

LUMINOSA—Beautiful pink. 1/4 oz., 50c; oz., \$1.50.

DEEP PURPLE—1/4 oz., 50c; oz., \$1.50.

WHITE—1/4 oz., 50c; oz., \$1.50.

GOLDEN QUEEN—Yellow. Pkt., 10c; 1/4 oz., 50c; oz., \$1.50.

MAMMOTH MIXED—Pkt., 10c; 1/4 oz., 40c; oz., \$1.25.

ONE EACH OF THE ABOVE FIVE MAMMOTH COLORS
40c POSTPAID



Verbena Grandiflora Giant Hybrids

• Zinnias For Colorful Summer Flower Gardens •

The Zinnia is possibly more at home in the warmer sections of Arizona than any other flower. It is sun-loving, very easy to grow and a favorite in thousands of Arizona gardens. We wish to stress the fact that our Zinnias are absolutely the best strains in existence. The Zinnia is strictly a hot weather plant and should not be planted until March. Plantings may be continued throughout the Summer.

CULTURE—Plant after all danger of frost is over. The seed should be planted about one-half inch deep and the seed bed covered with a mulch of our agricultural peat moss or grass to conserve the top moisture. Plant in rich soil in rows at least three feet apart and thin out plants so they are about 12 inches apart. Never plant Zinnias in the shade, as they delight in the full sunshine. Keep the rows free and clean from Bermuda Grass and weeds and cultivate and irrigate often. To avoid mildew dust the ground around the plants with dusting sulphur as soon as the buds appear. If you follow these instructions we know your efforts will be rewarded.



Zinnia Lilliput Pastel Mixture

When we think of flowers for cutting, our minds automatically turn to the pastel shades. Until this past season, there has been no strictly pastel variety in the Lilliput type. In the Pastel Mixtures, however, we have incorporated the very lovely soft shades of apricot, peach, creamy yellow, shell pink, delicate salmon, light rose and orchid which are prime favorites with florists and cut flower growers. The plants are 12 to 15 inches in height, neat in habit, compact growing and very free flowering. It is one of the early blooming types, producing flowers about 45 days after seed is sown. Pkt., 10c; 1/4 oz., 35c; oz., \$1.00.



Zinnia Gold Medal Dahlia Flowered Golden Dawn

LIEFGREEN'S GOLD MEDAL DAHLIA FLOWERED ZINNIAS

The DAHLIA FLOWERED ZINNIA is the most popular of all the Zinnia types grown. The large size, beautiful petals, extraordinary colors and good keeping qualities have made them popular with all who grow them. They resemble a Dahlia in appearance and when in full bloom often measure five and six inches in diameter. The variations in the colors are wonderful and we cannot recommend them too highly. We list them in the following colors.

GOLDEN DAWN—Very attractive golden yellow, almost a light orange shade. Rich and colorful. See above illustration.

ELDORADO—Salmon apricot in delightful shades.

EXQUISITE—One of the most pleasing shades. Color a light Rose, with deeper Rose center.

GOLDEN STATE—Yellow orange in bud turning to beautiful orange.

ILLUMINATION—A deep soft rose. Very beautiful.

CRIMSON MONARCH—By far the largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous.

CANARY BIRD—Delicate primrose, very large and holds its color well.

ORIOLE—We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages.

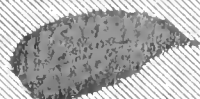
DREAM—A fine, deep Lavender, turning to Purple (Mallow Purple), a new, desirable shade in Zinnias.

POLAR BEAR—Very large pure White. Best White in Zinnias. The above varieties: Pkt., 15c; 1/4 oz., 35c; oz., \$1.25.

LIEFGREEN'S GOLD MEDAL DAHLIA FLOWERED ZINNIA MIXTURE—A blend of the very best types of Dahlia Zinnia and sure to please the most critical. Makes an excellent garden show and fine flowers for cutting. Pkt., 10c; 1/4 oz., 35c; oz., \$1.25.

COLLECTION—The entire collection of 10 Dahlia Flowered Zinnias: \$1.00 postpaid.

ALL FLOWER SEEDS ARE SENT POSTPAID

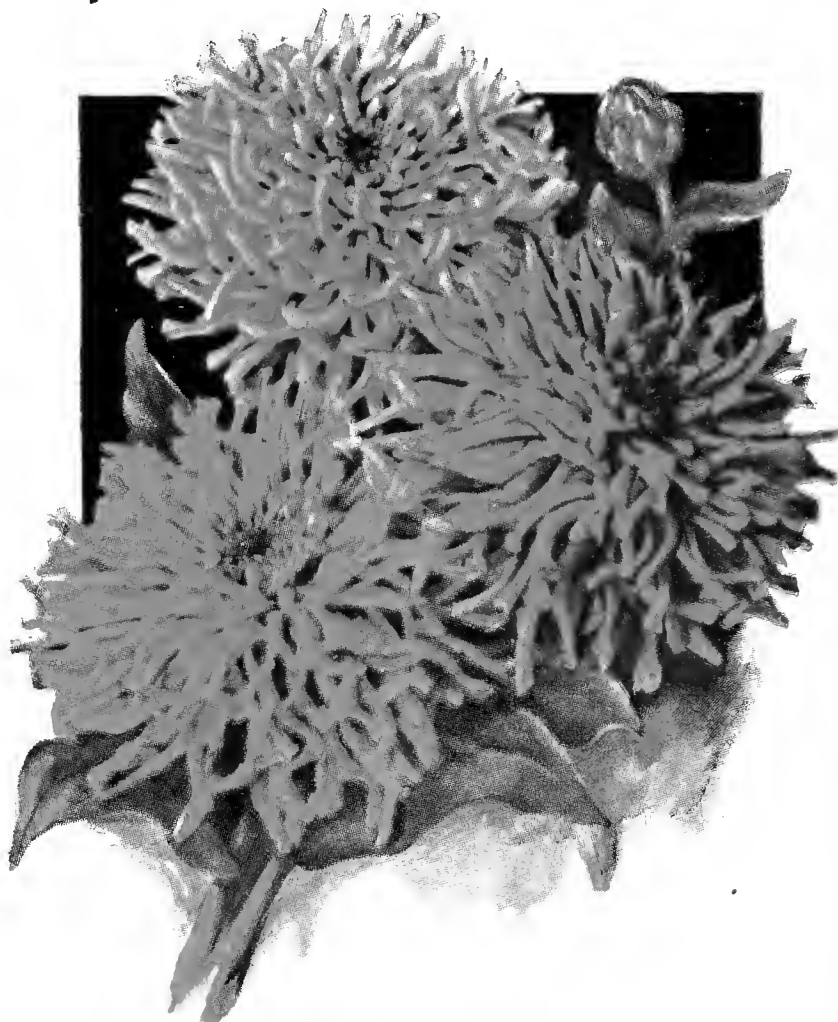


Zinnias Are Arizona's Most Popular Summer Flowers



Zinnia Scabiosa Flowered

Differs from all other Zinnias in the formation of the flowers. The flowers are of medium size—composed of a row of broad ray or outer petals similar in form to the flowers of the annual Scabiosa. Fine border plants—nice for cutting. A splendid color mixture. Pkt., 15c; ¼ oz., 60c; oz., \$1.75.



Zinnia Fantasy Finest Mixed

(QUILLED AND CURLED) Fantasy is the most fascinating new Zinnia type introduced in years. The very informal flowers with their quilled and irregularly curled petals are graceful and interesting in the extreme. Colors are unusually bright in shades of red, yellow and orange. One of the most sensational novelties of the year. Finest mixed. Pkt., 15c; ¼ oz., 40c; oz., \$1.25.

Liefgreen's Tom Thumb Zinnia

The compact plants of this dainty strain are 6-8 inches high and are



Tom Thumb Zinnia

covered with well-formed flowers of the Lilliput type. There is a complete range of Zinnia colors in this mixture. Excellent for pot use, for borders or for mass planting. Splendid mixture. Pkt., 15c; ¼ oz., 40c; oz., \$1.25.

Gracillima

(True Red Riding Hood)

This miniature free-flowering Zinnia grows only to a height of 1 foot. Bright red. Pkt., 15c; ¼ oz., 35c; oz., \$1.00.

Zinnia Giant Victory Quilled or Cactus Flowered

The flowers are very large, with velvety quilled petals. The plants are vigorous and well branched. Pkt., 15c; ¼ oz., 50c.



Zinnia (Navajo) Gaillardia Flowered Finest Mixed

Another of the newer Zinnia types. The Gaillardia Flowered Zinnia, strongly reminds one of the Double Gaillardia. The flowers are very attractive, of medium size, about 2 inches in diameter, just a good size for cut flower use, and are carried on stems of medium length. The plants are about 2 feet tall and very free flowering. The colors range through the mellow tones of rose, pink, bronze, yellow, orange, lavender, and combinations of these colors. Most of the flowers, in fact, are two toned, with a ring of deeper color toward the center of the flower. Flowers will be produced about 45 days after seed is sown. Mixed colors. Pkt., 15c; ½ oz., 60c; oz., \$1.75.

Zinnia Linearis

A very interesting dwarf single variety. The dainty flowers are a lovely shade of golden orange, with a delicate lemon yellow stripe through each petal. The flowers are produced in great profusion literally covering the plant which sometimes has a spread of as much as 2 feet by the end of the season. Pkt. 25c; 5 pkts., \$1.00.



Zinnia Linearis

Zinnia Giant Picotee Mixed

This Zinnia is in a class by itself. In addition to its being double and large flowered, each petal is distinctly tipped with a darker shade of the same color, making it novel and attractive. Mixed colors. Pkt., 15c ¼ oz., 50c.

• Check Liefgreen's Flower Seed Specials •



Liefgreen's Zinnia Arizona Giant or Mammoth Scarlet Gem

Liefgreen's Lilliput Pompom Zinnias

If you have room for two rows of Zinnias, sow the seeds of the Dahlia-Flowered or Giant Mammoth in the background and Lilliput Pompom in the front row. This makes a charming combination and will give a greater variety of flowers for cutting purposes. Pompom Zinnias are easily grown and the flowers compare favorably with the Pompom Dahlia. Grows 2 feet high.

CANARY YELLOW—Very bright golden yellow.

ORANGE QUEEN—A desert sunset orange. A beauty in any garden.

CRIMSON GEM—Truly a gem—beautiful ruby red.

PURPLE—A royal flower in a rich royal-purple.

SALMON ROSE—Lovely in its modesty. An aristocratic rose in color.

WHITE GEM—Pure white—and a beauty.

MIXED COLORS—Some of the above and many others in a real blaze of color.

The plants are vigorous and well branched. All of the above: Pkt., 10c; ¼ oz., 30c; oz., \$1.00.



Plant of Zinnia Lilliput



Zinnia Super Crown O'Gold Pastel Tints

LILLIPUT ZINNIAS SPECIAL COLLECTION

Six varieties, one each of the six colors listed above for only

40c POSTPAID

Haagaena Miniature Zinnia

Dwarf, plant carrying small, prettily marked flowers. A variety which when better known, will have a big demand.

Pkt., 15c; ¼ oz., 40c; oz., \$1.25.



Zinnia Haagaena

Liefgreen's Arizona Giant or Mammoth Zinnias

In presenting the giant type we offer a rare collection of striking and desirable colors, enormous flowers. They have smaller flat centers than the Dahlia Flowered, with more loosely placed petals. The petals are decidedly imbricated and the flower from bud to bloom presents a graceful appearance. Plant the full collection of the following color:

GIANT LEMON QUEEN—An immense flower and most pleasing in color. The Canary Yellow petals are tinged with Cerise on the lower side, the two shades blending into a variety of lemon tints as the flower develops. It is unique in having a pleasant odor.

GIANT ORANGE QUEEN—A new Orange shade, exceptionally bright in tone. Giant flowers of graceful appearance.

GIANT MISS WILMOT—A beautiful soft pink. Without a doubt the finest Zinnia of this color in existence.

GIANT SCARLET GEM—A large, beautiful, bright Scarlet with fine form and good depth of petals. Very large.

GIANT PURITY—A very large pure white with delightful form.

GIANT LAVENDER GEM—Deep lavender purple.

The above varieties in separate colors, Pkt., 10c; ¼ oz., 35c; oz., \$1.25. Postpaid.

LIEFGREEN'S GIANT MAMMOTH—Mixed colors. Pkt., 10c; ¼ oz., 30c; oz., \$1.00.

SPECIAL COLLECTION

LIEFGREEN'S GIANT OR MAMMOTH ZINNIAS

One each of 6 Varieties.....45c

Crown O'Gold Zinnias

The petals at the base are marked with gold which lends great richness to the splendid range of colors. Mixed colors. Pkt., 15c; ¼ oz., 50c; oz., \$1.50.

NEW ZINNIA SUPER CROWN O'GOLD PASTEL TINTS—A most striking new Zinnia. While it is of the Crown O'Gold Type type, having each petal overlaid at the base with deep golden yellow while carrying out the individual flower color at the tip, the blooms are of much better form and considerably larger than the old type. The new pastel tints contain a wide range of pastel shades. Pkt., 25c; 5 pkts., \$1.00, postpaid.

• Liefgreen's Super-Quality Sweet Pea Seeds •

Sweet Peas are probably the most popular flower in America. They are loved by everyone, both for their beautiful coloring and their delightful fragrance. For the best results we advise you to follow our instructions for planting. We offer the following instructions according to our own method of planting.

CULTURE—Avoid dense shade. Select a place in the open where the sun shines at least three-fourths of the day and where the vines may be trained on a trellis. Dig a trench about a foot or 18 inches wide and 18 inches deep. Place about six or eight inches of well-rotted manure on the bottom of the trench. Mix a liberal amount of manure with the soil that has been removed and replace it. After the soil has settled sufficiently, open a trench in the bed about six inches deep and plant one ounce of

seed to about 20 to 25 feet of row. During the warm weather cover the seed about two to three inches deep and in cooler weather about one inch is sufficient. Care must be taken during warm weather not to rot the seed with moisture. After planting seed soak the trench thoroughly and follow with a liberal sprinkling of peat moss or dried grass to prevent the surface soil from crusting. After the Peas have grown six or eight inches begin to draw the soil to them, gradually filling the trench. This will necessitate another trench on each side of the row, through which to water the vines during the rest of the season. A peat mulch around the plants will keep them in good growing condition. Frequent cultivation is also necessary. Keep them well watered and at blooming time keep the blossoms picked to insure a long growing season. Ask about our special fertilizer for Sweet Peas.

Liefgreen's Large Early Flowering Spencer

FOR WINTER BLOOMING—When you plant our Early Flowering Spencer Sweet Peas you are planting the earliest and the largest flowering Early Sweet Peas grown.

EARLY FLOWERING SPENCERS are especially valuable for their early flowering qualities. Planted in September and October, they will bloom as early as January, although they may be planted any time during the Fall and Winter months and will bloom four to six weeks in advance of the regular Spencers.

EXPOSITION PINK—Gorgeous rich pink.
BLUE BONNETT—Fine clear blue evenly distributed.

SNOWSTORM—Improved new glistening white.

SHIRLEY TEMPLE—Soft rose-pink—large blooms daintily frilled and fluted.

HARMONY—Bright, clear lavender.

VALENCIA—Sunproof orange.

AMETHYST—Royal purple.

LADY GAY—A delightful shade of soft shrimp pink.

MEADOWLARK—Deep cream—large flowers on long stems.

OTHELLO—Maroon.

ANNIE LAURIE—Deep rich tone of pure rose-pink.

COLUMBIA—Salmon rose standard with white wings.

PRIDE—Cerise—long stems.

JOSIE—Deep pink on a white base. (Illustrated)

RED BIRD—Bright crimson red.

PRICE: Any of the above—Pkt., 15c; ½ oz., 35c; 1 oz., 60c; ¼ lb., \$1.75.



SWEET PEA EARLY FLOWERING SPENCER

Cupid Spencer Mixed

Lovely large blooms of true Spencer form, borne profusely on small trailing plants growing not more than 9 inches tall. Pkt., 15c; ½ oz., 25c; oz., 40c; 4 ozs., \$1.25; ½ lb., \$2.25.

Liefgreen's Giant Spencer Sweet Peas

Will bloom from four to six weeks later than the Early Flowering type.

The following varieties are the best in color, size, fragrance, abundance of bloom and adaptability to Arizona's climatic conditions. Call for these varieties and be assured that you are planting the best:

CHINESE BLUE—Bright clear blue.

FORTUNE—Rich dark blue.

DAMASK ROSE—Deep soft rose.

MRS. A. SEARLES—Rich pink (cerise) merging into orient red.

MASTER CREAM—Deep cream—large flowers and long strong stems.

RUBICUND—Bright crimson scarlet.

AMBITION—Clear lavender—a lovely shade.

WARRIOR—Maroon—deep color—flowers very large.

PIRATE OF GOLD—Golden orange—exquisite.

YOUTH—Large white and pink picotee. Unusual.

PINKIE—Bright rose pink—Mammoth blooms.

JACK HOBBS—Flush scarlet pink on cream ground.

OLYMPIA—Rich deep purple. Very fine.

SMILES—Salmon shrimp pink.

WELCOME—Dazzling scarlet, strictly sunproof. Flowers large and stems extra long.

AVALANCHE—Glistening white.

BLANCHE FERRY—Bright rose and white. Very popular.

PRICE: Any of the above—Pkt., 10c; ½ oz., 20c; 1 oz., 35c; ¼ lb., \$1.25.

Liefgreen's Special Early Flowering Spencer—Mixed

This mixture is made up of the very cream of the Early Flowering Spencers. Pkt., 10c; ½ oz., 20c; 1 oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00.

Liefgreen's Giant Spencer Mixture

In preparing this mixture we are giving our customers all the best varieties in this class and all possible color variations, including many brand new kinds as well. A liberal planting of this mixture will give a most magnificent display of the Giant Spencer types. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25.

SPECIAL

Sweet Pea Collection

LIEFGREEN'S GIANT EARLY FLOWERING SPENCER

One each of 15 varieties for only **\$1.50**

SPECIAL SWEET PEA FOOD—2½ lbs., 30c; 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.25—F.O.B. Phoenix.

VIGORO

COMPLETE PLANT FOOD

Inexpensive, Just a Few Pounds of Vigoro Will Make Your Garden Look Like a Million.

Use Vigoro this year! It costs little and goes far—four pounds properly feeds 100 square feet of lawn or garden area. We recommend clean . . . odorless Vigoro.

PRICES: Sealed pkgs. bags: 1 lb., 10c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.60; 50 lbs., \$2.75; 100 lbs., \$4.50. F.O.B. Phoenix.

Inoculate Sweet Peas with

NITRAGIN

The Original Soil Inoculator
Sweet peas are legumes—they need the nitrogen gathering legume germs. Few soils contain a natural supply. It is therefore necessary to inoculate. Nitragin hastens maturity, increases yield, produces better flowers, adds fertility to the soil.

GARDEN SIZE—enough to inoculate several or more ounces of seed. Directions on every package. Price 10c postpaid.

SPECIAL

Sweet Pea Collection

LIEFGREEN'S GIANT SPENCER

One each of the above 17 varieties **\$1.25**

Use our Imported Peat Moss for soil conditioning. \$3.95 per bale, F.O.B. Phoenix.

• Vines Are Essential To The Home Beautiful •

The Vines listed below are selected for their adaptability to Arizona conditions, and all will grow and thrive during the hot summer months, providing restful shade and a quick attractive covering for fences, blank walls, etc.

Plant all vine seed and bulbous roots in the Spring, after all danger of frost, and continue planting through the Summer months.

Alamo—Mile-a-Minute

Annual—Fastest growing and most popular vine. Grown for foliage only. Pkt., 10c; oz., 25c.

Antigonon leptopus—Queen's Wreath

Perennial—Increases in density of foliage and beauty of rose pink wreath-like flowers each year. It is cut back by frost but renews its vine growth each year. Blooms in late Summer and early Fall. Exceedingly popular. Seed; Pkt., 10c; Bulbous Roots (Spring months only) 3 years old, 50c each.

Australian Pea Vine

Annual—Small rose purple blooms. Hardy. Pkt., 10c.

Balloon Vine

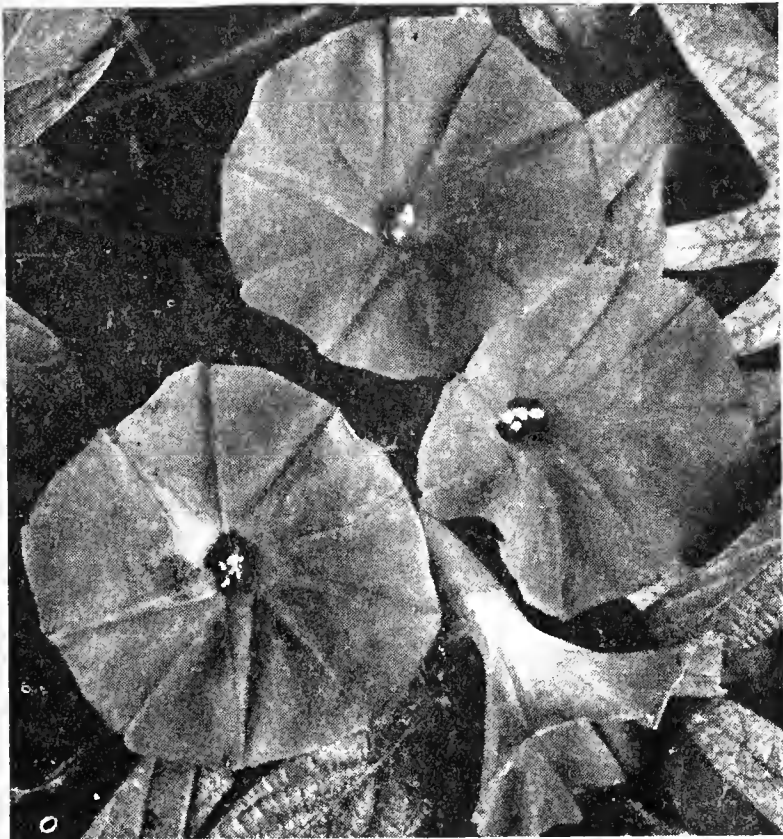
Annual—Bears a pretty inflated white and green capsule. Pkt., 10c.

Scarlet Runner Bean

Annual—Small scarlet flowers—attractive foliage. Pkt., 10c

Balsam

Annual—Graceful and ornamental. Yellow flowers—warted yellow fruits. Pkt. 10c.



Morning Glory—Scarlet O'Hara

SCARLET O'HARA MORNING GLORY (All American Gold Medal Winner.) Entirely new in color, flower and foliage. Beautiful rich dark wine or deep rosy carmine, flower stays open longer than any other Morning Glory and is about four inches in diameter. Blooms in about 65 days after seed is sown. Annual. Pkt., 25c; 5 pkts, \$1.00.

Wild Cucumber

Annual—Quick growth. Small white fragrant flowers followed by ornamental seed pods. Pkt. 10c.



Morning Glory—Clark's Heavenly Blue

MORNING GLORY—CLARK'S EARLIEST HEAVENLY BLUE — A beautiful sky blue color which shades at the center to a golden throat. It is the earliest flowering variety, makes a sparse foliage but is heavily covered with flowers. For best results water sparingly and do not fertilize. Pkt., 15c; 1/4 oz., 40c.

MORNING GLORY—TALL MIXED—Shades of rose, crimson, blue and white. Pkt., 10c; oz., 25c.

MORNING GLORY—IMPERIAL JAPANESE—Variety of colors beautifully shaded. Pkt., 10c; oz., 35c.

Hyacinth Bean (Dolichos)

ANNUAL—Purple and white flowers followed by ornamental seed pods. High growth. Pkt., 10c; oz., 30c.

Cypress Vine

ANNUAL—Bears a profusion of star shaped scarlet and white flowers. Fine fernlike foliage. Pkt., 10c.

Cardinal Climber

ANNUAL—Attractive foliage—Rapid in growth. Bright red flowers. Pkt., 10c.

Coboea Scandens

(Cup-and-Saucer Vine)

Perennial climber of very satisfactory growth. Clings to any rough surface making it valuable in any location. Mixed colors. Pkt., 10c; 1/4 oz., 25c.

Japanese Hop (Humulus)

ANNUAL—Luxuriant foliage making a dense rapid growth. Pkt., 10c; oz., 50c.

Kuzdu Vine

Very rapid growing. Flowers pea-shaped and rosy purple in color. Pkt., 10c; oz., 60c.

Smilax

Used for decorative purposes, thriving best in a shady situation. Pkt., 10c.

Lantana

PERENNIAL—Grows only two or three feet high but bears a profusion of verbena-like flowers in a wide range of gorgeous colors. Is cut back by frost but renews its runners each year becoming more luxuriant each year. Mixed colors. Pkt., 10c; oz., 50c.

Madeira Vine

PERENNIAL. — Quick growing vine valuable for its attractive foliage. Exceptionally popular in Arizona. Bulbous Roots (obtainable through the Spring months.) Large, medium and small roots—15c; 10c and 5c each. Per dozen, \$1.25; \$1.00; 50c.

Moon Flower

LARGE WHITE—ANNUAL—Splendid rapid growing vine. Flowers are beautiful and sweet-scented and are in full bloom after Sunset. Foliage is luxuriant and attains great height in one season. For best results file a small nick in each seed and soak over night before planting. Pkt., 10c; oz., 60c;

LARGE BLUE—Pkt., 10c; oz., 60c.

Note:—DO NOT FERTILIZE MOON FLOWER OR MORNING GLORY

Passion Flower

Very satisfactory for an immense growth in one season. Pkt. 10c.

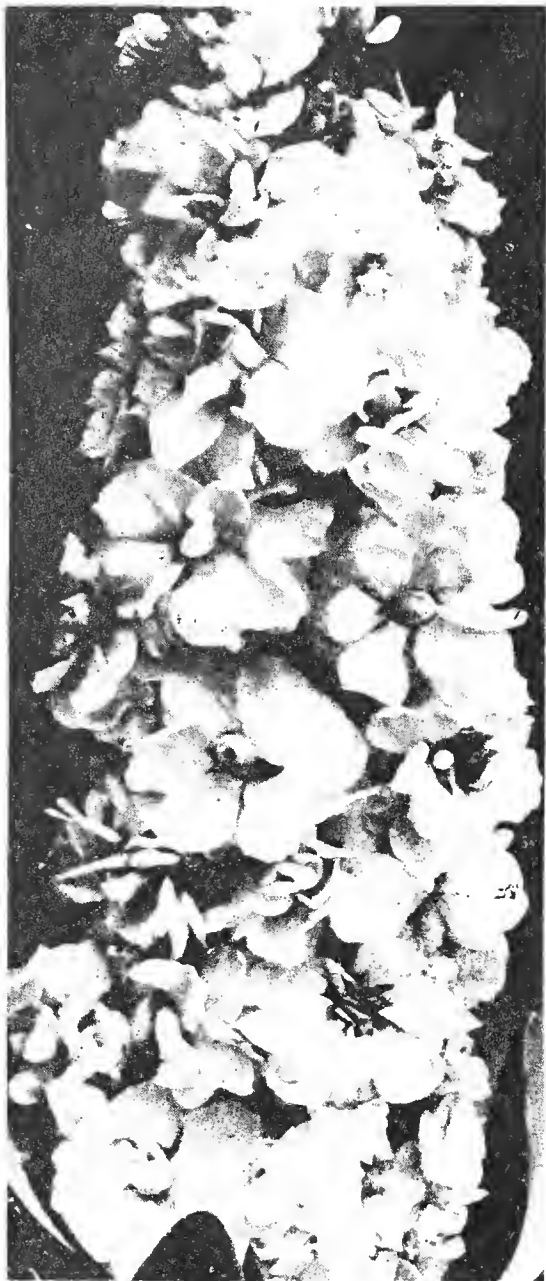
Plumosus

PERENNIAL — Fine feathery foliage used extensively for green in cut flowers. Soak seds before planting. Pkt. 10c.

FOR YEARS THE LEADING SEED STORE IN ARIZONA



Quality Seeds Assure Successful Gardens



STOCK—GIANT IMPERIAL

Scabiosa

(MOURNING BRIDE OR PINCUSHION FLOWER)—Hardy annual of easiest culture. Profusion of flowers in exquisite shades on long, wiry stems; cut flowers keep in good condition for a long time; 2½ feet high. Deserving a place in every garden, blooms profusely. Plant in the Fall months. Thin or transplant to about 12 inches apart.

AZURE FAIRY—Blue. Pkt., 10c; ¼ oz., 30c.
GRANDIFLORA WHITE—Pkt., 10c; ¼ oz., 30c.
GRANDIFLORA CRIMSON—Pkt., 10c; ¼ oz., 30c.

GRANDIFLORA ROSE PINK—Pkt., 10c; ¼ oz., 30c.

MIXED COLORS—Pkt., 10c; ¼ oz., 25c.



SCABIOSA

Phlox Drummondii

Showy and most easily raised of all annuals. Produces a continuous supply of attractive flowers in a most wonderful range of colors. Sow seed in the Fall months for blooming throughout the Spring months.

CRIMSON—Beautiful shade of rich crimson.

VIOLET—Uniform bright violet, blue.

FLESH PINK—Bright chamois-pink, lovely.

WHITE—Large, pure, glistening white.

LIEFGREEN'S SPECIAL MIXTURE — Contains a mixture of varieties that will delight you. All the tints of the rainbow, with veins and eyes of contrasting shades. All of the above: Pkt., 10c; ¼ oz., 60c.

SPECIAL COLLECTION—1 of each color (4) value 40c; 30c postpaid.

Ranunculus

Valuable cut flowers, double and semi-double of the most varied and brilliant colors. If sown early they bloom the first year. Height, one foot. Pkt., 10c.

Sunflower (Helianthus)

DWARF RED SUNFLOWER—The plant is of a freely-branching habit with well-shaped dark-centered flowers of bright chestnut red, merging to a yellow at the tips of the petals. Height 6 feet. Pkt., 10c; oz., 40c.

MAMMOTH RUSSIAN—Is planted largely for seed. It also makes a good windbreak and a very ornamental background. Requires little attention. Pkt., 10c; lb. 25c.

Salvia

(SCARLET SAGE)—The most brilliant colored flowers and extremely useful for bedding. Blooms are of fiery red crimson color, continuing to flower for a long time. Tender perennials. Plant in early Spring. Pkt., 10c; ¼ oz., 50c.

Salpiglossis

Very showy bedding or border plants, with richly colored, funnel-shaped flowers, which are purple, scarlet crimson, yellow, buff, blue and almost black. Height 2½ feet.

SUPERBISSIMA MIXED — Containing many lovely color combinations. Pkt., 10c; ¼ oz., 35c.

Schizanthus

Very beautiful and interesting annuals. This is one of the easiest annuals to raise from seed. Sow in open where plants are to flower. Exceptionally beautiful when in full bloom and literally covered with small orchid-like flowers.

GRANDIFLORA MIXED—Pkt., 10c; oz., 75c.

Sweet William

DIANTHUS BARBATUS—A well known, attractive, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers. Of easy culture. Best planted in the Fall months. Height 1 to 1½ feet.

DOUBLE MIXED—All colors. Pkt., 10c; ¼ oz., 35c.

SINGLE MIXED—All colors. Pkt., 10c; ¼ oz., 25c.

ALL FLOWER SEEDS ARE POSTPAID



SALPIGLOSSIS



SWEET WILLIAM

Double Stocks

The Stock is one of our most popular Winter flowers. The plants will go through the Winter uninjured by frost and will bloom from early Spring well on into the Summer months. The Giant Imperial is the very latest improvement in Stocks, throwing fully 85 per cent of double flowers. Sow the seed in the Fall in the open ground or in flats. In thinning out, remember that the weak and delicate plants are those which usually throw the best double flowers.

GIANT DOUBLE IMPERIAL STOCKS — This wonderful new strain of Stocks is of branching habit, making it possible to break long branches of flowers from the main stalk without injuring or destroying the beauty of the plant. The flowers are large and many of them on a stem. The sweet perfume of the Stocks make them most desirable for garden or for vases.

IMPERIAL BLOOD RED—

IMPERIAL CHAMOIS—Ivory, tinted Rose.

IMPERIAL DARK BLUE—Near Purple.

IMPERIAL LAVENDER—Light Lavender.

IMPERIAL ROSE—Deep Rose Pink.

IMPERIAL WHITE—Pure White.

IMPERIAL GOLDEN ROSE—Rose, golden sheen, a beautiful flower.

IMPERIAL YELLOW—Pure Yellow.

Each of the above separate colors. Pkt., 15c; ¼ oz., 75c.

IMPERIAL MIXED—All colors mixed. Pkt., 10c; ¼ oz., 50c.

SPECIAL DOUBLE STOCK COLLECTION.
One of each of above 8 varieties. 90c



PHLOX DRUMMONDI GRANDIFLORA MIXED

• Plant Liefgreen's Everlasting Flower Seeds •

STRAW FLOWERS (EVERLASTING)

Acroclinium

(EVERLASTING FLOWER)—Hardy annual everlasting flowers, white and shell pink with golden centers. Should be cut the first day they open. Double mixed pink and white. Pkt., 10c; 1/2 oz., 40c; oz., 75c



STATICE SINUATA

Gomphrena

EVERLASTING FLOWER — (Globe Amaranth) — A very attractive globe-shaped flower resembling a clover blossom which, when cut and dried, holds its shape and color. Grows about two feet tall and thrives and blooms throughout the hot Summer months. Mixed colors—Pkt., 10c; oz., 60c.

Helichrysum

(EVERLASTING FLOWER) — One of the most attractive everlasting flowers. The flowers hang like little bells on the stems and make a pleasing and dainty cut flower either fresh or dried. Mixed colors—Pkt., 10c; 1/4 oz., 25c.

CACTUS

MIXED VARIETIES—Good results may be obtained by propagating cacti from seed. Sow in flats using half sand and half leaf mold and cover seed lightly. Cover the flat with glass and place in a warm situation. Keep slightly moist. Pkt., 20c.



VIRGINIAN STOCKS
Easy to Grow—Quick Blooming

Rhodanthe

(STRAW FLOWER)—A free flowering hardy annual, bearing beautiful straw-like flowers in a great variety of shades and colors. To preserve, cut when partly open and hang with heads down until dry. Pkt., 10c; 1/2 oz., 40c; oz., 75c.

Statice

SINUATA — An everlasting flower which is increasing in popularity. The plants throw large sprays of flowers which may be dried and make Winter bouquets. The seed should be kept quite moist until germinated. Blue, Yellow, Rose, Lavender, White and Mixed Colors —Pkt., 10c; 1/2 oz., 25c; oz., 40c.

CASPIA—One of the finest of the many varieties. Smaller flowers than Sinuata of more delicate appearance in bouquet work. Color, pale lavender. Pkt., 15c; 1/8 oz., 75c.

Xeranthemum

DOUBLE MIXED—One of the most attractive and satisfactory everlasting flowers. The flowers are white, purple, yellow and rose and are pretty in the garden or dried. Plant in the open ground in a sunny situation. Pkt., 10c; 1/4 oz., 25c.

Straw Flowers

MIXED VARIETIES—A mixture made up of the various varieties of everlasting flowers. Pkt., 10c; 1/4 oz., 25c

Virginian Stocks

Very attractive hardy annual, producing a welcome supply of bright colors in the Spring and early Summer. Sow seed in the Fall and Winter months. Largely grown in beds and borders. Height 6 to 12 inches.

CRIMSON GEM—An erect, compact variety. Very dwarf. Pkt., 10c; 1/4 oz., 25c; oz., 75c.

ROSE—Bright rose turning to lavender. Pkt., 10c; 1/2 oz., 25c; oz., 45c.

YELLOW—Pkt., 10c; 1/2 oz., 25c; oz., 45c.

WHITE—Pure white. Pkt., 10c; 1/2 oz., 25c; oz., 45c.

MIXED COLORS—Pkt., 10c; 1/2 oz., 20c; oz., 35c; 1/4 lb., \$1.00.

Wallflower

Wallflowers should be better known. Their adaptability for out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Pkt., 10c.

Wild Flower Mixture

A splendid mixture of true annual wild flowers so blended as to give succession of blooms from early Spring to mid-Summer. They may be planted from Fall to early Spring—longer bloom resulting from the Fall planting.

WILD FLOWER MIXTURE—A fine mixture of many species—Pkt., 10c; oz., 45c; 1/4 lb., \$1.65; 1 lb., \$5.00.



VENIDIUM FASTUOSUM

Venidium

This plant thrives in Arizona where the climate is similar to its natural habitat. Flowers grow to 4 or 5 inches in diameter. They stand well above the foliage and effect a colorful display. Sow seeds in the open ground where they will obtain full sun.

VENIDIUM FASTUOSUM—Large orange-yellow daisy-like flowers, with a large purple-black center. Height 2 feet. Pkt., 15c; 1/8 oz., 75c.

VENIDIUM HYBRIDS — Beautiful shades of apricot, white, salmon, yellow and orange. Pkt., 15c; 1/8 oz., 75c.

Vinca Rosea

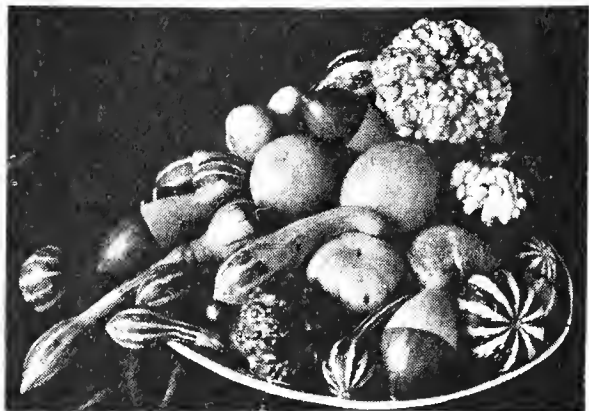
(PERIWINKLE) — Ornamental free-blooming plants with dark foliage and handsome pink and white flowers. The seed germinates slowly. Sow in the Fall and Spring months.

VINCA ROSEA—Mixed colors. Pkt., 10c; 1/4 oz., 40c.



VINCA ROSEA

Plant Ornamental Gourds For Pleasure and Profit



GOURD SMALL WARTED VARIETIES MIXED

GOURDS FOR PLEASURE

ORNAMENTAL and some edible. Easily grown in any good garden loam. Attractive on trellises and fences and the fruits are very popular, when properly cured, for ornamental use. A novel and interesting hobby.

PLANT after all danger of frost in the early Spring months or they may be planted earlier if protected with Hotkaps. Fruits require a long process of curing for best results when used for ornamental purposes.

Large Varieties—Ornamental

TURK'S TURBAN—(Acorn Squash). Yellow and orange.
BIRD'S NEST—Hour glass shape.
CALABASH—(Pipe Gourd, Powder Horn or Penquin.)
DIPPER—Used for dippers.
DISH CLOTH or BATH SPONGE—Interior may be used as a sponge.
GIANT BOTTLE or CHINESE WATER JUG—Bottle Shape.
HERCULES CLUB—2'-3' long, club shaped.
SUGAR TROUGH—thick shells.
ZUCCA—Fine flavored—soft shells.
MALABAR MELON—Edible, fruit keeps well, attractive foliage.
THE ABOVE—Pkt., 10c; ½ oz., 25c; oz., 45c.

Large Varieties Mixed:

Pkt., 10c; ½ oz., 20c; oz., 35c.



Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small", "Medium", "Large." For men: "Medium" and "Large." Price 75c postpaid.

Small Varieties—Ornamental

APPLE—
BICOLOR — Half green, half yellow, pear shaped.
BOTTLE—Miniature.
EGG SHAPED—White.
FLAT STRIPED—Flat round, green and white stripes.
HORNED CUCUMBER.
ORANGE—Color and shape.
PEAR—Striped green and white.
PEAR—Striped yellow and green.
PEAR—White.
PEAR SHAPES MIXED.
SPOON—Small, ball shaped, long slender neck.
TURK'S TURBAN—Ornamental, brightly colored.
WARTED—Mixed colors and shapes.
THE ABOVE SMALL VARIETIES: Ea. Pkt., 10c; ½ oz., 30c; oz., 50c.

Small Varieties Mixed:

Good selection of varieties

Pkt., 10c; ½ oz., 20c; oz., 35c.

. . . . Plant Liefgreen's Choice Bulbs in Arizona Gardens

Ranunculus Giant "Tecolote"

SEND A FEW RANUNCULUS BULBS
TO A FRIEND

We prepay charges to any destination in
the United States

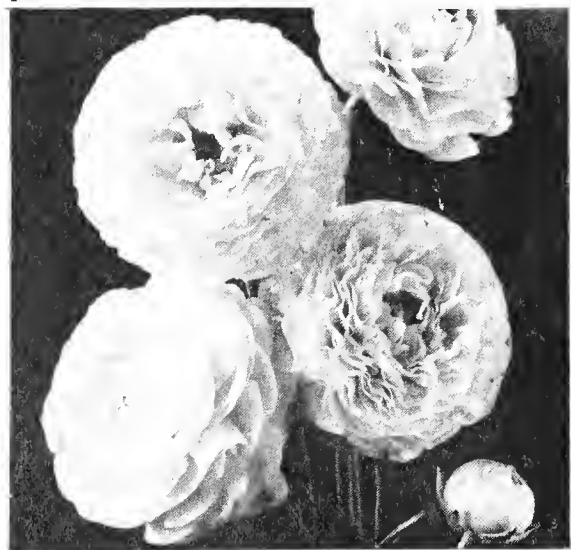
The Ranunculus is not well known in the Eastern states. A gift of Ranunculus bulbs would be greatly appreciated by your Eastern Flower loving friends. Advise them to plant in the early Spring after all danger of severe frost, and to plant in a sunny location to hasten the flowering period.

JUMBO—Extra large bulbs. Mixed colors. \$0.08 each; \$0.85 per doz.; \$6.00 per 100.

TOP SIZE — Large bulbs. Mixed colors. \$0.7 each; \$0.75 per doz.; \$4.50 per 100.

NO. 1 SIZE—Mixed colors. \$0.05 each, \$0.50 per doz., \$3.00 per 100.

NO. 2 SIZE—Mixed colors. \$0.05 for 2; \$0.25 per doz., \$1.75 per 100.



RANUNCULUS GIANT "TECOLOTE"

Antigonon Leptopus

CALLED QUEEN'S WREATH and ROSA DE MONTANA—A rapid growing and lovely vine with heart-shaped leaves and bearing quantities of rose pink flowers in wreaths. Blooms in the Summer and Fall. A vine which will thrive in hot, sunny situations and if cut down by frost will come up again in the Spring. A very popular vine in the Salt River Valley and similar climates. Strong 4-year-o'd roots. Each, 50c; postpaid.

Tuberose

MEXICAN EVERBLOOMING—The most fragrant of all Tuberose and a wonderful bloomer. Flowers are pure white and clustered from six to a dozen on stiff stems, making them excellent for cut flowers. The bulbs of these multiply from year to year, producing great masses which should be separated and transplanted every three years. They are very hardy and will grow and bloom in the hottest weather. A dozen bulbs will plant a row 6 feet long. Each, \$10c; dozen, 50c; postpaid.

Caladium

ELEPHANTS EAR—The leaves of immense size on massive stems grow to a height of 4 feet. For a tropical effect this plant has no equal. First size: Each, 35c; 3 for \$1.00, postpaid.

Cannas

Cannas are the most easily grown and most useful bedding plants we have. They thrive in any soil, but respond quickly to good treatment.

LARGE RED—Each, 10c; doz., \$1.00; postpaid.
LARGE YELLOW—Each, 10c; doz., \$1.00; postpaid.

LARGE BEAUTIFUL PINK—Each, 15c; doz., \$1.50 postpaid.

Madeira Vine

One of the best and most popular climbers for foliage effect. Increases very rapidly. Large tubers. Each 15c; doz., \$1.25. Medium size—10c each; \$1.00 per doz. Small size—5c each; 50c doz., postpaid.

SOIL SOAKER



Soil soaker for deep soaking, the water method approved by agricultural colleges and nurseries now available for home use. Equipped with regular hose connection for attaching to hose or pipe. Price No. 1, 18 ft., \$1.80; No. 2, 30 ft., \$2.80, postpaid.

HORMODIN

UNTREATED TREATED



The new Root-Forming Chemical Hormodin stimulates rapid root growth on leafy cuttings, thus assuring quicker and better rooting in higher percentages than ever before possible. Many species heretofore considered impossible to propagate from cuttings may be rooted successfully when treated with Hormodin.

POSTPAID

5 cc. (20 B.T.I. units).....\$1.00
 15 cc. (60 B.T.I. units).....\$2.00
 60 cc. (240 B.T.I. units).....\$7.00

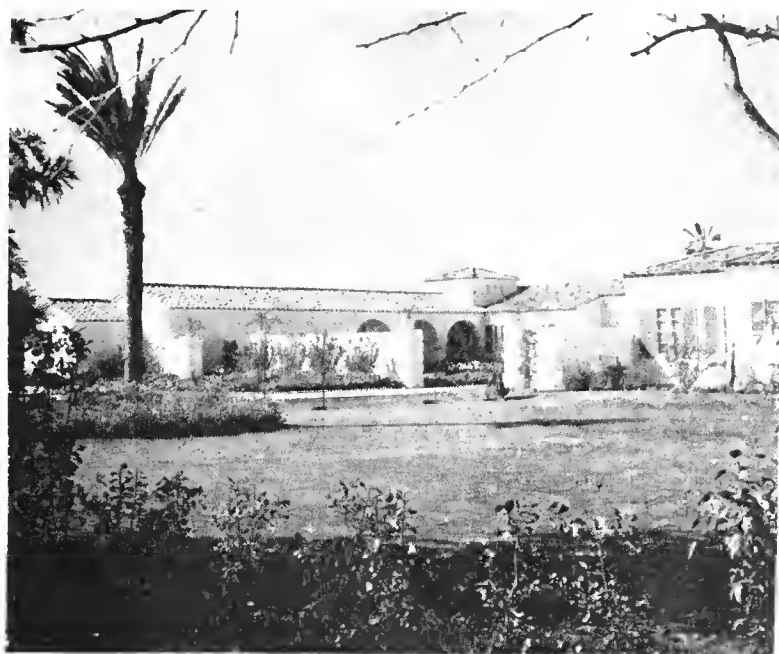
Liefgreen's Grass Seeds For Winter and Summer

Success in lawn making requires first of all
GOOD SEED

Liefgreen's Lawn Seeds are thoroughly cleaned
and are tested for purity and germination.

When you buy Liefgreen's Lawn Grass Seed
you avoid failure and disappointment.

DIRECTIONS FOR PLANTING—First level the ground thoroughly and pulverize the soil. Enrich with our Lawn and Garden Fertilizer at the rate of 100 pounds to 3000 square feet. Scatter the seed evenly over the surface at the rate of 1½ to 2 pounds to 10x10 feet for Australian Rye Grass; one pound to 10x20 for Blue Grass; one pound to 500 square feet for Bermuda Grass and one pound to 2000 square feet for White Dutch Clover when planted with other grasses. After sowing spread a light mulch of Horticultural Peat Moss over the surface. The mulch will quicken germination and prevent the soil from crusting. Water carefully and regularly with a fine spray, never allowing the surface to dry out until the grass is up. Plant Rye Grass, Blue Grass and White Clover from September 1st until early Spring and Bermuda Grass during the Spring, Summer and Fall months.



Australian Rye Grass

An extremely hardy and the most popular Winter lawn grass in the Salt River Valley and similar climates. Our seed is of the highest germinating quality, thoroughly re-cleaned and sure to please.

POSTPAID PRICES: 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; **NOT POSTPAID (F.O.B. PHOENIX)** 1 lb., 15c; 5 lbs., 75c; 10 lbs., \$1.20.

**WRITE OR TELEPHONE FOR
QUANTITY PRICES**

Bermuda Grass

Used exclusively for Summer lawns in the Salt River Valley and similar climates. We carry a very selected grade of seed, thoroughly re-cleaned thereby eliminating the undesirable weed seeds. **Lb., 50c; 10 lbs., \$4.50**



Kentucky Blue Grass

Fancy, re-cleaned seed of tested quality. Used for Summer lawns in the higher altitudes and mountain districts and in the warmer sections for Winter lawns. **Lb., 40c; 10 lbs., \$3.50.**

Poa Trivialis

Used for golf courses, putting greens and fairways and very satisfactory for lawns in shady places. Leaves are narrow and flat. **Lb., 85c; 10 lbs., \$7.50.**

White Dutch Clover

Strictly first-class seed, absolutely clean and pure and of the highest quality. Makes a very attractive lawn when mixed with Winter lawn grass. **Lb., 75c; 10 lbs., \$6.50.**

Red Top

AGROSTIS ALBA—A fine-bladed grass that is often used with Rye Grass and Kentucky Blue Grass for golf courses and lawn purposes. Also used for pasture grass in higher altitudes. For pasture, sow 15 pound per acre. **Lb., 40c; 10 lbs., \$3.50.**

Sea Side Bent

AGROSTIS MARITIMA—A true creeping bent, used for putting greens. Our stock is re-cleaned and extremely pure and free from weed seeds. Certified. (Blue Tag) Seed. **1 lb., \$1.25; 5 lbs., \$5.75.**

POSTAGE OR TRANSPORTATION CHARGES PAID BY US ON ALL GRASS SEED UNLESS SPECIFICALLY STATED OTHERWISE.

PEAT MOSS

Peat Moss is a valuable soil improver for all horticultural and agricultural purposes. It consists chiefly of decomposed vegetable or organic matter and increases the humus content of the soil. It absorbs ten times its weight in water, releasing it for the plants in periods of drought. Use Peat Moss liberally on flower and vegetable gardens and on lawns. Mulch roses, fruit trees, etc., to conserve moisture. A bale of Peat Moss when loosened will cover 700 square feet. Per bale, \$3.95 F. O. B. Phoenix.

For Beautiful Lawns, Flowers and Shrubs Use

LIEFGREEN'S 8-9-6 COMMERCIAL FERTILIZER and BANDINI RED LINE GROW-RITE

LIEFGREEN'S 8-9-6 COMMERCIAL FERTILIZER—Is a scientifically prepared chemical compound having the most necessary elements for the promotion of plant growth. It not only enhances the beauty of the blooms and the color of the lawn, but as a wonderful stimulant and plant food for vegetables and field crops, flowers, lawns, shrubs and trees. Easily applied as it is in powder form. Quick and unusually lasting results. **5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$1.75; 100 lbs., \$3.00.**



BANDINI COMPLETE SPECIALTY MIXTURES

Use These Complete Plant Foods For Best Results

	2½ lb.	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.
Grow-Rite Lawn and Garden.....	.30	.45	.75	\$1.35	\$2.25	\$4.25
Rose Plant Food—Complete.....	.30	.45	.75	1.35	2.15	4.00
Bulb Plant Food—Complete.....	.30	.45	.75	1.35	2.25	4.25
Azalea Plant Food—Complete (for Acid loving Plants).....	.30	.45	.75			
Citrus Plant Food—Complete.....	.30	.45	.75	1.60	2.35	4.50
Sweet Pea Food—Complete.....	.30	.45	.75	1.35	2.25	4.25
Mineral Compost—(used for sickly over-fertilized soils).....	.00	.55	.55	1.05	1.75	3.00

MISCELLANEOUS PLANT FOODS AND CORRECTIVES FOR ALL PURPOSES

	2½ lb.	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.
Ammonium Phosphate 16-20.....	.30	.45	.75	\$1.25	\$2.25	\$4.00
Aluminum Sulphate.....	.30	.50	.90	2.00	3.50	6.00
Blood Meal—Dried.....	.30	.45	.75	1.50	2.75	5.00
Bone Meal—Fine.....	.30	.40	.65	1.10	1.75	3.00
Blood and Bone—Mixed.....	.30	.45	.75	1.75	2.50	4.75
Calcium Nitrate.....	.25	.40	.65	1.10	1.75	3.00
Cotton Seed Meal Fertilizer.....	.20	.35	.75	1.75	1.80	3.25
Gypsum—Agriculture.....	.10	.20	.30	.60	.85	1.25
Fish Meal Fertilizer.....	.30	.45	.75	1.25	2.15	4.00
Hydrated Lime.....	.15	.20	.30	.50	.75	
Nitrate of Soda.....	.30	.40	.65	1.10	1.75	3.00
Soil Sulphur—Agricultural.....	.30	.40	.65	1.20	2.00	3.50
Sulphate of Ammonia.....	.25	.40	.65	1.10	1.75	3.00
Sulphate of Pot Ash.....	.30	.45	.75	1.35	2.25	4.00
Treble Super Phosphate.....	.30	.45	.75	1.25	2.00	3.50
Sulphate of Iron.....	.25	.40	.75	1.25	2.25	4.00
Sulphate of Zinc.....	.30	.45	.75	1.50	2.75	5.00

All Fertilizers and Soil Correctives are priced F. O. B. Phoenix. Write for Quantity Prices.

VIGORO Complete Plant Food

Inexpensive — Just a few Pounds of Vigoro Will Make Your Garden Look Like a Million. It has all the elements plants require from the soil. It's proper nourishment that gives Vigoro-fed plants their great vitality and beauty.

Use Vigoro this year. It costs little and goes far — four pounds properly feeds 100 square feet of lawn or garden area. We recommend clean, odorless Vigoro.

PRICES

100 lb. bag.....	\$4.50	10 lb. bag.....	.85
50 lb. bag.....	2.75	5 lb. bag.....	.50
25 lb. bag.....	1.60	1 lb. bag.....	.10

F. O. B. Phoenix



Field Seeds, Clovers and Grass Seeds



Broadcasts seed evenly and is easy to operate. The distributing wheel is strong and rigid. The seed bag is heavy duck canvas, 1/2 bushel capacity. Shoulder straps are adjustable. Shipping wt. 5 lbs. Price \$2.50 each. Postage extra.

Alfalfa

LIEFGREEN BRAND CHILEAN ALFALFA SEED—Chilean Alfalfa seed is the type used very extensively in the Salt River Valley. Plant 20 pounds per acre. 1 lb., 35c; 10 lbs., \$3.00.

LIEFGREEN BRAND HAIRY PERUVIAN ALFALFA SEED—Produces remarkable amount of tonnage. 1 lb., 35c; 10 lbs., \$3.00.

Miscellaneous Grain

AS ALL GRAINS FLUCTUATE IN PRICE WE ARE UNABLE TO LIST POSITIVE PRICES. PLEASE ASK OR WRITE FOR SAMPLES AND PRICES, STATING QUANTITIES.

LIEFGREEN'S DWARF MILO MAIZE—A very select strain of Dwarf Milo Maize growing to a height of from four to five feet. Makes a heavy stock and produces heavily. Plant three pounds to the acre. 5 lbs., 50c; 10 lbs., 85c.

LIEFGREEN'S RESELECTED HEGARI—Harvested from selected heads. Unlike most other sorghums, Hegari not only produces a heavy crop of grain, but because of the sweet, juicy stalk and foliage it has the added feature of making good pasture of roughage and excellent silage. 5 lbs., 50c; 10 lbs., 85c.

STANDARD BARLEY—Unequaled as a Winter pasture for cattle and sheep.

CLUB WHEAT—Soft Spring Wheat.

WINTER RYE—Grown here only as a Winter pasture crop.

EARLY BAART WHEAT—The best strain of milling wheat for central and southern Arizona and Mexico. Planted from October to March.

KILL WEEDS

the Sure, Safe Way with the

Aeroil

No. 99 WEED BURNER

the TOOL of 101 USES

Price \$15.00

F.O.B. Phoenix,

WE PAY THE POSTAGE ON FIELD SEEDS LISTED BELOW TO AND INCLUDING THE THIRD ZONE ONLY ON QUANTITIES UP TO AND INCLUDING TEN POUNDS.

FIELD SEEDS ARE OFTEN PURCHASED IN LARGE QUANTITIES AND WE THEREFORE REQUEST BUYERS OF SACK LOTS OR OVER TO WRITE US FOR SPECIAL QUOTATIONS.

OUR FIELD SEEDS ARE ALL THOROUGHLY RECLEANED TO INSURE HIGH GERMINATION AND PURITY.

TEXAS RED OATS—For Fall and Spring sowing in Salt River Valley.

EARLY AMBER CANE—For pasture we recommend sowing from 50 to 60 pounds per acre.

RED TOP CANE—Will make an abundance of fodder either green or cured.

TEXAS SEEDED RIBBON CANE and ORANGE CANE—For syrup purposes.

DWARF ESSEX RAPE—Recommended as a pasture for sheep and hogs. Drill at the rate of five pounds per acre. 1 lb., 25c; 10 lbs., \$1.75.

SUNFLOWER—Highly valued by poultry breeders as poultry feed. 1 lb., 25c; 10 lbs., \$2.00.

GOLDEN MILLET—An excellent catch crop. May be planted as late as September 15 in the Salt River Valley and still produce a good crop of hay. Sow 30 pounds per acre. 1 lb., 20c; 10 lbs., \$1.50.

VETCH—Sow 40 pounds per acre with grain. Is hardy and makes a fine Winter growth. 1 lb., 20c; 10 lbs., \$1.50.

Field Peas and Beans

WHIP-POOR-WILL COW PEAS—As a soil renovator and a fertilizer the Cow Pea is in a class by itself. They should be planted at the rate of 50 to 100 pounds to the acre. 1 lb., 25c; 10 lbs., \$1.75.

BLACK-EYED PEAS—Easy to grow, and produces more dry peas and more vine than any of the varieties we have yet tried. 1 lb., 25c; 10 lbs., \$1.75.

PINK BEANS—They require about 105 days to mature; therefore, should be planted in climates similar to the Salt River Valley, about the last week in July. Plant 40 pounds of seed to the acre, in rows about 30 to 36 inches apart. Price for hand-picked beans: 1 lb., 25c; 10 lbs., \$1.75.

Cover Crops

SESBANIA—(Wild Hemp)—A vigorous annual growing Legume. It thrives in warm weather and will grow on alkali and other poor soils. Sesbania is a very fast growing plant requiring only 8 to 10 weeks from time of germination to time of plowing under. Sow broadcast at the rate of 30 to 40 pounds per acre. One of the best fertilizer crops for summer growth. 1 lb., 25c; 10 lbs., \$2.00.

SWEET CLOVER (Melilotus Alba) or **White Blossom Sweet Clover**—Used for hay, pasture and green manure as well as fertilizing and renovating worn out and alkaline soils. Sow in the Spring or Fall at the rate of 20 to 25 pounds to the acre. Scarified Seed, per pound, 30c; 10 lbs., \$2.50.

MELILOTUS INDICA (Sour Clover)—The best legume with which to build up your soil. It is easily plowed under and very rich as a fertilizer. As a cover crop in citrus groves it has no equal. We offer only the best quality, recleaned and scarified seed. 1 lb., 15c; 10 lbs., \$1.25.

Pasture and Hay Grasses

SUDAN GRASS—A drouth resisting annual. Grows in a wide range of soils, from sand to heaviest adobe. 1 lb., 25c; 10 lbs., \$2.00.

BROME GRASS—(Bromis Inermis)—An excellent pasture grass for general range purposes. 1 lb., 50c; 10 lbs., \$4.50; postpaid.

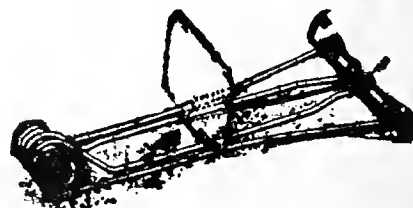
TIMOTHY—Sown in our higher altitudes where it is quite successful. Requires 15 pounds per acre when sown alone. 1 lb., 30c; 10 lbs., \$2.50.

ORCHARD GRASS—A valuable pasture grass for the higher altitudes of Arizona; produces an immense quantity of forage and hay of the best quality. Sow 35 pounds per acre. 1 lb., 45c; 10 lbs., \$4.00.

MEADOW FESCUE—This is a very valuable species for permanent grass lands and is relished by live stock both in hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil. Price per pound 40c; 10 lbs., \$3.50, postpaid.

Macabee Gopher Traps

EACH 25c. DOZEN \$2.50. Postpaid



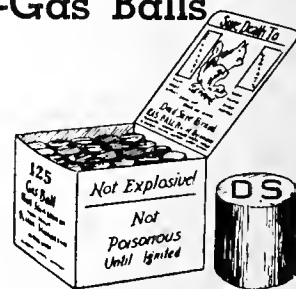
Dead Sure Rodent Destroyer



This rodent destroyer is in the form of a paper cartridge. After setting the fuse alight, place the cartridge down the burrow and the pests are gassed. Package of one dozen, 60c

Gopher-Gas Balls

DISPLAY CARTON OF GAS BALLS



Are used by lighting and rolling into the burrows of the gopher, the same as the Gopher Candle. Per doz., 50c; postpaid; box of 125, F.O.B. Phoenix, \$3.25; Postpaid \$3.50.

Francis LEAD HEADED WALL NAILS

1 Package, containing 20 nails, 60c, postpaid.

FOR CLIMBING PLANTS



Liefgreen's Quality Plants For Arizona Gardens

ASPARAGUS



Asparagus is very easily grown. For the small garden set plants 12 inches apart in rows 3 to 4 ft. apart. Set the plants eight or ten inches deep in well fertilized trenches. After frost in the Fall cut the dead tops and mulch the surface.

MARY WASHINGTON — A variety that has come to the front, grows very large and is very rust resistant. 35c per doz., 50 for \$1.25; 100 for \$2.00; \$12.50 per 1000, postpaid.

THE NEW PARADISE ASPARAGUS — Heavy production, early maturity and exceptionally fine quality characterize this new Asparagus, with the big, stalky green stems. Produces enormous crops. Prices: — 1 Doz., 50c; 50 for \$1.50; 100 for \$2.50; postpaid.

Please Read Before Ordering

Owing to the expense of packing plants we do not ship orders for less than \$1.00. When we ship plants by mail or express we do so at the buyer's risk, and we do not ship plants C.O.D. Prices quoted in dozen and 100 lots are postpaid.

WRITE FOR QUANTITY PRICES.

Pepper Plant

CHINESE GIANT, CALIFORNIA WONDER, ANAHEIM CHILI, and PIMIENTO—From about March - until June 1. Per doz., 35c; per 100, \$1.50; postpaid.

Tomato Plants

Grown from selected seeds — **EARLIANA, PHOENIX SPECIAL, BEEFSTEAK, BEAUTY, MARGLOBE, NEW STONE, DWARF CHAMPION and DWARF STONE**—ready about March 1 until May 15. Per dozen; 25c; per 100, \$1.00; postpaid.

RHUBARB



GIANT CHERRY — Stalks of large size and excellent flavor. One of the prime favorites in Rhubarb. Large divisions. 25c each, \$2.50 doz., postpaid.

Sweet Potato Plants

PORTO RICAN—Best for Arizona. We can furnish plants from April 1 to July 1. Per doz., 25c; \$1.00 per 100; \$6.00 per 1000; postpaid in first, second and third zones. Write for quantity prices.

Egg Plants

NEW YORK ROUND PURPLE AND BLACK BEAUTY—From about March 1 until May 15. Per dozen, 35c; per 100, \$1.50, postpaid.

Cabbage and Cauliflower

Plants quoted on request. State quantity.

Use Liefgreen's Hardy and Prolific Berry Plants For Success

THE NEW BOYSENBERRY

The Best Berry Ever Grown

Think of a berry twice the size of the Youngberry (by actual count it took 35 Boysenberries per basket while the Youngberry needed 70 to fill)—a berry that has the succulence and flavor of the best Raspberry you ever ate together with the tang of the Raspberry and a suggestion of the Loganberry.

The vine is the largest berry vine or bush ever seen, produces over a longer period than the Youngberry and the production is practically double. The fruit (as pictured) is like the Youngberry with a much finer flavor and less seedy.

Whether eaten fresh, canned, in jam or jelly, or in pies and tarts it is absolutely superior in every way to any other berry grown.

A few Boysenberry plants will be the joy of your garden. You will enjoy fruit like this and you will have something to show your friends. You will agree with us in saying they are the finest berries you have ever tasted. You will be surprised at the berries you can get from a dozen plants., which cost as little as \$1.50.

PRICES—1939—PREPAID

Rooted Tips: Each, 20c; 12 for \$1.50; 100 for \$8.00; 1000 for \$50.00.

WRITE FOR PRICES IN LARGER QUANTITIES

Loganberries

Supposed to be a hybrid between the Blackberry and Raspberry, but it is entirely distinct from either of its parents. When fully ripe it is a very dark red, very large, often an inch and a quarter long. Each 15c; 12 for \$1.25; \$6.50 per 100.

BLACKBERRIES

CRANDALL'S EARLY — A large fruited luscious berry of rich dark color. It is one of the earliest varieties and very productive. Each, 15c; doz., \$1.25; \$5.50 per 100 postpaid.



STRAWBERRIES

IMPROVED KLONDIKE — This variety does well in hot sections. It is a vigorous grower, very prolific and yields over a long period. A medium size berry of good flavor and is an excellent shipper. Doz., 25c; per 100 plants, \$1.50; postpaid.



MASTADON—EVERBEARING—Mammoth sized berries, round in shape, medium dark red in color. An early producer bearing both Fall and Spring. Doz., 50c, per 100 \$2.50; postpaid.

HOTKAP

Home Garden Package



BE THE FIRST WITH A SPRING GARDEN

Protect your plants against weather and insects with HOTKAPS. Have vegetables and flowers weeks earlier. HOTKAP Home Garden Package:

25 HOTKAPS with Setter—50c. Postpaid, 65c.

An Individual Hothouse for Every Plant
HOTKAPS



"DOGZOFF"

Discourages dogs, keeps them from places where they are not wanted. Price 65c postpaid.



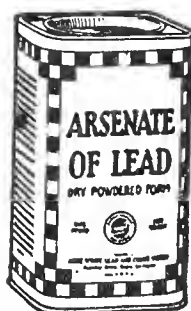
Liefgreen's Insecticides and Spray Materials

Rotenone Garden Guard

(Non-poisonous—A practical and economical garden insecticide for combating both chewing and soft bodied sucking insects as well as cockroaches. Should be used on green vegetable crops in place of Arsenate of Lead. Use as a dust, 1 lb., 35c; 4 lbs., 75c; 25 lbs., \$4.25; Postage extra.



Arsenate of Lead



For the control of all leaf-eating or chewing insects. This poison should not be used on vegetables. For this purpose we recommend Garden Guard. 1 lb. carton 35c; 4 lb. paper bag, 80c; Postage extra. Write for quantity prices.

Calcium Arsenate

Use at the rate of 10 to 15 pounds to the acre on lettuce before heading for green worm. Recommended for eating insects on peas and other vegetables. 1 lb., 25c; 4 lbs., 50c. Postage extra.

Super-Adhesive Dust Mixture

Special dust for lettuce, peas, tomatoes, etc. For control of many chewing insects including Lettuce Loopers, Alfalfa Loopers, Pea Worms, Tomato Fruit worms, and Corn Ear worms. 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 50 lb. bag, \$3.50; 100 lbs., \$6.50, postage extra.

Liefgreen's Dry Pyrocid Dust

A powerful NON-POISONOUS dust. Kills worms, Aphids and other insects and is non-injurious to humans. Can be used freely on maturing vegetable crops. 1 lb., 40c; 10 lbs., \$2.50; 50 lb. bag, \$8.00; 100 lbs., \$15.00; postage extra.

Nicotine Dust

10 % Black Leaf 40 in dust form. 1 lb., 40c; 5 lbs., \$1.25; 25 lb., steel drum, \$4.00; 50 lb., steel drum, \$7.50; 100 lb. steel drum, \$14.00; postage extra.

Dry Lime Sulphur

An invaluable spray for the control of fungus diseases such as peach leaf curl, mildew, peach twig borer, pear scab and many other ailments common to deciduous fruit trees. 1 lb. cans 35c; 5 lb. cans, \$1.45. Postage extra. Write for quantity prices.



Bordeaux Mixture



Controls blight, mildew and many other fungus ailments. To prevent tomato blight, the young plants should be sprayed from the time they show through the ground until they are ready for transplanting. 1 lb., 35c; 4 lb., 75c. Postage extra. Write for quantity prices.

Paris Green

For grasshopper and cutworm bait use Paris Green as follows: 1 lb. Paris Green, 10 lbs. Bran, 1 qt. brown molasses, 2 lemons chopped fine. Add water to make a crumbly mass and broadcast in the field for grasshoppers. For cutworms place the bait about the garden in the evening. This poison should not be used on vegetables. For this purpose we recommend Garden Guard. 1/2 lb., 30c; 1 lb., 50c; 5 lb. carton, \$2.25. Postage extra.



Super Electric Dusting Sulphur

Used principally to control and prevent mildew on grapes, roses, melons, vines, etc. 1 lb., 10c; 10 lbs., 75c; 50 lbs., \$2.25; 100 lbs., \$4.25; Postage extra. Write for quantity prices.

Powdered Tobacco

Not less than 1% Nicotine

For Dusting to control Aphids; as a Mulch to repel root-feeding insects; and for Lawn Treatment to control Chinch Bugs. 1 lb. canister, 25c; 5 lb. bags, 65c. Postage extra.



Filmfast

Spreads insecticides and fungicides evenly over the surface of foliage, fruits and vegetables.

STOPS SPOTTED SPRAYING.

2 lb. package, 40c; postage extra.

LIQUID SPRAYS



BLACK LEAF 40—A 40% nicotine solution for the control of plant lice or aphids on roses and other garden plants. Must be applied in vapor form with a spray pump. 1 oz., 35c; 5 ozs., \$1.00; 1 lb., \$2.25; 2 lbs., \$3.25; 5 lbs., \$5.85; 10 lbs., \$10.60; 50 lbs., \$42.50. postage extra.

GARDEN VOLCK—Contains nicotine and soap. A complete spray for home gardener, controlling mealy bugs, scale aphids, thrip, red spider. 3 1/2 oz., 35c; pint 85c; quart, \$1.25; postage extra.

NURSERY VOLCK—Effective on practically all insects on ornamental and flowering plants. Odorless, colorless and non-poisonous. Generally 3 level tablespoons full to 1 gal water, 1 pt., 50c; 1 qt., 75c; postage extra.

FISH OIL SOAP—Makes spraying more effective as it enables solution to stick to foliage. 1 pt., 50c; 1 qt., 75c; postage extra.

RED ARROW—Kills chewing and sucking insects safely—contains Pyrethrum, Derris and soap in convenient form. Mix in water according to directions and spray. 1 oz., 35c; 1/4 pt., \$1.00; pt., \$2.85; qt., \$5.40; gal., \$16.00, postage extra.

BUG-FOIL—Super-strength Garden-Spray, effective for both chewing and sucking insects. 1 1/2 oz., tube 35c; 4 oz. bottle, 85c; 8 oz. bottle, \$1.25.

NICO-FOIL—Prepared Nicotine Spray, easy to use. Contains soap spreader. For many species of Aphids, Leaf Roller, Thrips. 1 1/2 oz., bottle, 20c; 4 oz., 35c; 8 ozs., 65c; pts., \$1.00, postage extra.



Emo-Nik

This spray is put up especially for the home garden and controls mealy bugs, scale, aphids, thrips, red spider and many more hardy insects infesting roses, trees, shrubs, etc., 4 oz., 35c; pt., 65c; qt., 95c; postage extra.

Kopper Queen Mildew Spray

This is a strong liquid copper spray for the control of mildew, leaf spot and black spot on roses, flowers, etc. Leaves a thin insoluble film of copper preventing fungus attack. No unsightly residue. Stainless, 1/2 pt., 40c; pt., 65c; postage extra.



ANT POISONS

LIEFGREEN'S ANT POISON—For large red ants in the yard or field. In powder form, very effective. 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; postage extra.

CYANOGAS—Dust or granular form—for large red ants, etc. 1 lb. can, 70c; 5 lb. can, \$2.50; 25 lb. drum, \$8.50; postage extra.

Antrol

THE NATIONAL ANT CONTROL



The Antrol system is composed of small glass containers and a special formula of syrup. Ants transmit the mild poison to the queen in the nest and soon the entire colony is destroyed.

Ready-Filled Antrol Set

The ready-filled Antrol Set consists of four patented glass feeders filled with Antrol. This set has the advantage over the regular set of being ready to use as purchased. Price 40c, postage extra.

REGULAR ANTROL SET—The regular Antrol set consists of four special glass containers and one 4-oz. bottle of syrup—enough for two fillings. Price 65c; postage extra.

ANTROL SYRUP—4 oz. bottle 20c; pt., 50c; postage extra.

Antrol Ant Trap



Kills both sweet and grease eating ants, as it contains two kinds of specially prepared materials. Ready to use by simply punching out the perforations on the side of the can. Most effective and lasting ant trap ever devised.

Antrol Ant Traps—ready to use—each 10c; 12 for \$1.00; postpaid.

ROACH AND CRICKET CONTROL

LIEFGREEN'S ROACH & CRICKET POWDER is a non-poisonous powder which we believe is very superior to any other powder for eliminating roaches and crickets. 1/2 lb., 30c; 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; postage extra.

\$1000 Guaranteed Products

ROACH KILLER—Absolutely guaranteed to kill Roaches and Water Bugs when properly applied. 3 oz., 35c; 7 oz., 65c; 16 oz., \$1.25; postage extra.

Gator Roach Hives

GUARANTEED BY
GOOD HOUSEKEEPING
AS ADVERTISED
THEREIN



We recommend this Roach Killer. Not MESSY or WASTEFUL. Clean, convenient and Effective for months.

One pkg of 3 hives, 40c; 3 pkgs. \$1.00, postage extra.

Sprayers, Dusters and Weed Burners



No. 100-W HUDSON SENIOR WEED BURNER
\$16.50 Complete, F.O.B. Phoenix



Tip Top Duster

The Tip Top Duster is unquestionably the ultimate in satisfactory performance. It is a real duster that will effectively apply all powders, dust, and sulphur, in the most scientific and economical manner. For real satisfaction use a Tip Top. Capacity, 22 pounds. Price \$20.00; F. O. B. Phoenix.



HUDSON PERFECTION SPRAYER No. 210-G—
GALVANIZED TANK. Capacity 4 Gallon. Complete with brass extension rod and adjustable brass nozzle. Price \$7.90; postpaid, \$8.25.

HUDSON PERFECTION SPRAYER—No. 210-B—
COPPER TANK. Price \$12.50; postpaid \$12.80.

HUDSON JUNIOR SPRAYER—No. 240-G—
GALVANIZED TANK. Capacity 2½ Gallons with Nu-eez funnel top. Complete with two foot brass extension rod and nozzle. Price \$5.50; postpaid \$5.70.

HUDSON JUNIOR SPRAYER — No. 240-B —
COPPER TANK. Price \$8.70, postpaid \$9.00.

HUDSON THRIFTY SPRAYER — No. 120-G —
GALVANIZED TANK with funnel top. CAPACITY 2½ GALLON. Complete with 21" brass extension rod and shut off valve and brass nozzle. Price \$4.10; postpaid \$4.35.



No. 664—HUDSON ADJUTANT DUSTER
Price 70c, Postpaid 85c.

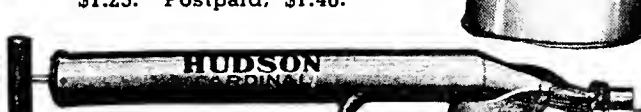


No. 429B—Copper. Wt. 3 lbs.
\$2.50. Postpaid, \$2.65.

No. 429T—Tin. Wt. 3 lbs.
\$1.25. Postpaid, \$1.40.



No. 667 HUDSON AUTOCRAT DUSTER
Price \$1.30; Postpaid \$1.50.



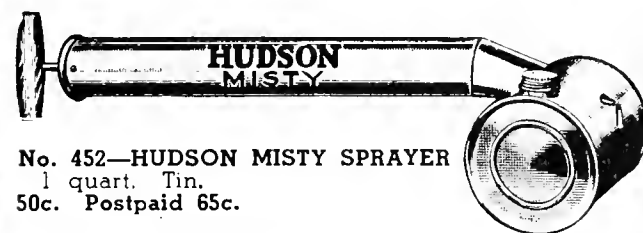
No. 435—CARDINAL SPRAYER.
3 Qt. Galvanized.
Price \$1.60. Postpaid \$1.80.



No. 660—HUDSON SIGNAL DUSTER
Price 40c; Postpaid 50c



No. 432—CONTINUOUS SPRAYER
1 Quart. Tin.
90c. Postpaid \$1.10.



No. 452—HUDSON MISTY SPRAYER
1 quart. Tin.
50c. Postpaid 65c.

Field and Garden Supplies

Bandini White Wash

A dry white powder when mixed with water and properly applied, will give a snow white coat that will stick and NOT RUB OFF. Used for painting trees for sun protection, fences, out buildings, etc. FULL INSTRUCTIONS WITH EVERY PACKAGE. 2½ lbs., 30c; 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.25; postage extra.

Citrus Picking Bags

No. 5—½ Box size, \$2.50; \$2.65 Postpaid.
No. 5—¾ box size, \$2.75; \$2.90 Postpaid.
No. 5—4-4 box size, \$3.00; \$3.15 Postpaid.

TREE LABELS—COPPER WIRED—3½ in. long.
100, 35c; 1000, \$2.75, postpaid.

POT LABELS—Plain—100 (4 in.) 35c; 100 (6 in.) 40c; 1000 (4 in.) \$2.50; 1000 (6 in.) \$3.25. postpaid.

EX PAN PLANTING POTS—Made of tar paper for growing early vegetable plants for transplanting to the field. 2x2x4, per 100, 75c; per 1,000, \$4.75; 3x3x4, per 100, \$1.00; per 1,000, \$6.50; F.O.B. Phoenix.

PRUNING COMPOUND—TREE SEAL—For covering fresh cuts or bruises on trees. Will aid nature in healing wounds without retarding the growth. Valuable for Citrus trees. 1 pt., 30c; qt., 50c; gal. can, \$1.50; postage extra.

TREE TANGLEFOOT—Protection from climbing insects. Lb. can, 65c; 5 lbs., \$3.00; 10 lbs., \$5.65. Postage extra.

YUCCA TREE PROTECTORS—For protecting trees from frost, insects, etc.

	Weight	Price	Price
	per	per	per
	1000	1000	1000
12 in.....	75	\$1.50	\$12.00
18 in.....	125	1.75	15.00
24 in.....	150	1.75	18.00

F. O. B. Phoenix, Postage extra

WE HAVE A PET STOCK DEPARTMENT

where we carry a complete line of

Bird Seeds—Our own mixture, Spratt's and French's.
Seeds for all kinds of birds.
Bird Remedies—Nesting Supplies.
Cages and Accessories.
Dog Foods in all the leading popular brands.
Dog and Cat Remedies.
Dog Supplies and Accessories.
Fish—Fish and Aquarium Foods.
Fish Bowls and Aquariums.

The above items are so numerous and diversified, call in our store or write for your requirements and prices. Our stocks are fresh, up-to-date and prices consistent.

Tools and Implements

FOR THE
GARDEN—FIELD—GROVE—YARD

We have in stock at all times a wide range of best quality tools, implements and general sundries necessary for the successful upkeep of gardens, farms and pleasure grounds.

We shall be happy to quote you on any tool or implement you may need. Your correspondence is invited.

GRAFTING WAX—¼ lb., 25c; ½ lb., 40c; 1 lb., 85c; postpaid.

BUDDING CLOTH—75c yard; postpaid.

SPAGNUM MOSS—For packing. Per bale, \$2.50; F.O.B. Phoenix

GREEN MOSS—For lining hanging baskets. Per lb., 50c postpaid. Write for bale prices.

PEAT MOSS — Horticultural soil conditioner. Per bale, \$3.95 F. O. B. Phoenix.

BINDER TWINE—Price—Tarred: 5 lb. balls, 85c each; plain, 75c each.

Raffia



Its principal use is for tying vines, flowers, asparagus, carrots and celery bunches and for grafting. Natural color is light straw. 1 lb., 30c; 5 lbs., \$1.40, postpaid. 10 lb. lots and over at 25c, not prepaid. Ask for quantity price in bale lots.



For Best Results Use Liefgreen Seeds

PLANTING CHART

Kind of Vegetable	Seeds or Roots Required for 100 Feet of Drill	One Acre	Distances for Plants to Stand			Depth of Planting	Ready for Use After Planting —About
			Rows Apart		Plants Apart in Rows		
			Horse Cultivation	Hand Cultivation			
Asparagus—Seed.....	1 ounce.....	10 lbs.....	30 to 36 in..	1 to 2 ft....	3 in.....	1 in.....	2 years
Asparagus Roots.....	60 to 80 roots.....	1,000 in field.....	3 to 5 ft....	12 to 24 in..	15 to 20 in..	3 to 5 in.....	1 year
Beans, Dwarf.....	1¼ lbs.....	80 to 125 lbs.....	30 to 36 in..	18 to 24 in..	2 in.....	1 to 3 in.....	42 to 75 days
Beans, Pole.....	½ lb.....	40 lbs.....	3 to 4 ft....	3 to 4 ft....	12 in.....	1 to 3 in.....	72 to 90 days
Beets.....	2 ounces.....	6 lbs.....	28 to 36 in..	12 to 18 in..	2 in.....	1 in.....	45 to 60 days
Brussels Sprouts.....	3 pkts.....	2 ounces.....	30 to 36 in..	24 to 30 in..	16 to 24 in..	½ in.....	100 to 120 days
Cabbage—Early.....	3 pkts.....	½ lb.....	30 to 36 in..	24 to 30 in..	12 to 18 in..	½ in.....	90 to 110 days
Cabbage—Late.....	3 pkts.....	½ lb.....	30 to 40 in..	24 to 36 in..	16 to 24 in..	½ in.....	110 to 120 days
Carrot.....	1 ounce.....	4 lbs.....	30 to 36 in..	18 to 24 in..	2 in.....	½ in.....	55 to 80 days
Cauliflower.....	3 pkts.....	2 ounces.....	30 to 36 in..	24 to 30 in..	14 to 18 in..	½ in.....	120 to 150 days
Collards.....	3 pkts.....	¼ lb.....	30 to 36 in..	24 to 30 in..	14 to 18 in..	½ in.....	100 to 120 days
Corn—Sweet.....	½ lb.....	10 lbs.....	36 to 42 in..		18 in.....	1 in.....	55 to 90 days
Cress, Water.....	4 pkts.....		Broadcast.	10 to 36 in..		Under water	60 to 70 days
Cucumber.....	½ ounce.....	2 lbs.....	4 to 6 ft....	4 to 6 ft....	4 every 3 ft.	1 in.....	50 to 70 days
Egg Plant.....	2 pkts.....	¼ lb.....	30 to 36 in..	24 to 30 in..	18 in.....	½ in.....	125 to 140 days
Endive.....	1 ounce.....	2 lbs.....	30 in.....	18 in.....	12 in.....	½ in.....	100 days
Garlic—Sets.....	70 plants.....	300 lbs.....	30 in.....		6 in.....		5 to 6 months
Horse Radish.....	70 roots.....		30 to 40 in..	24 to 30 in..	20 in.....	3 to 4 in.....	1 year
Kale, or Borecole.....	3 pkts.....	1 lb.....	30 to 36 in..	18 to 24 in..	18 in.....	½ in.....	55 to 60 days
Kohl-rabi.....	3 pkts.....	1 lb.....	30 to 36 in..	18 to 24 in..	6 in.....	½ in.....	55 to 70 days
Leek.....	½ ounce.....	4 lbs.....	30 to 36 in..	14 to 20 in..	4 in.....	½ in.....	120 to 150 days
Lettuce.....	½ ounce.....	2 lbs.....	30 in.....	12 to 18 in..	6 in.....	½ in.....	70 to 90 days
Muskmelon.....	½ ounce.....	2 lbs.....	6 to 8 ft....	6 to 18 ft..	4 every 4 ft.	1 in.....	85 to 150 days
Watermelon.....	1 ounce.....	3 lbs.....	8 to 12 ft..	8 to 12 ft..	4 every 6 ft.	1 in.....	100 to 130 days
Mustard.....	3 pkts.....	1 lb.....	30 to 36 in..	12 to 18 ft..	4 or 5 to ft..	¼ in.....	60 to 90 days
New Zealand Spinach.....	1 ounce.....	8 lbs.....	36 in.....	24 to 36 in..	12 in.....	1 to 2 in.....	60 to 100 days
Okra.....	2 ounces.....	8 lbs.....	4 to 5 ft....	3 to 4 ft....	24 in.....	1 in.....	90 to 140 days
Onion—Seed.....	1 ounce.....	3 lbs.....	24 to 36 in..	12 to 18 in..	2 in.....	½ in.....	125 to 150 days
Onion—Sets.....	1 qt. of Sets.....	250 lbs.....	24 to 36 in..	12 to 18 in..	4 or 5 to ft..	1 in.....	100 days
Parsley.....	3 pkts.....	3 lbs.....	24 to 36 in..	12 to 18 in..	3 in.....	⅞ in.....	65 to 90 days
Parsnip.....	½ ounce.....	3 lbs.....	30 to 46 in..	18 to 24 in..	2 in.....	½ in.....	130 days
Peas.....	1 lb.....	60 lbs.....	3 to 4 ft....	20 to 36 in..	1 in.....	1 in.....	45 to 75 days
Pepper.....	2 pkts.....	2 ounces.....	30 to 46 in..	18 to 24 in..	15 in.....	½ in.....	130 to 150 days
Potatoes—Irish.....	5 lbs.....	16 bu.....	30 to 36 in..	24 to 36 in..	14 in.....	4 in.....	90 to 150 days
Potatoes—Sweet.....	3 lbs. (or 75 slips).....	12,000 plants.....	3 to 5 ft....	3 to 5 ft....	14 in.....	3 in.....	150 days
Pumpkin.....	½ ounce.....	4 lbs.....	8 to 12 ft..	8 to 12 ft..	4 every 6 ft.	1 in.....	75 to 90 days
Radish.....	1 ounce.....	10 lbs.....	24 to 36 in..	12 to 18 in..	1 in.....	½ in.....	20 to 75 days
Rhubarb—Seeds.....	½ ounce.....		36 in.....	30 to 36 in..	2 in.....	½ to 1 in.....	3 years
Rhubarb—Roots.....	33 roots.....		3 to 5 ft....	3 to 5 ft....	3 in.....	2 to 3 in.....	1 year
Rutabaga.....	3 pkts.....	2 lbs.....	30 to 36 in..	18 to 24 in..	6 in.....	½ to 1 in.....	90 days
Salsify.....	1 ounce.....	8 lbs.....	30 to 36 in..	18 to 24 in..	2 in.....	½ in.....	150 days
Spinach.....	1 ounce.....	20 lbs.....	30 to 36 in..	12 to 18 in..	2 in.....	1 in.....	45 days is min.
Squash—Summer.....	½ ounce.....	4 lbs.....	3 to 4 ft....	3 to 4 ft....	4 every 4 ft.	1 in.....	65 to 70 days
Tomato.....	2 pkts.....	1½ ounces.....	3 to 5 ft....	3 to 4 ft....	3 every 4 ft.	½ in.....	125 to 150 days
Turnip.....	1 ounce.....	1 lb., sown broadcast 3 lbs..	24 to 36 in..	18 to 24 in..	2 in.....	¼ in.....	45 to 90 days

NUMBER OF PLANTS TO AN ACRE

SET AT REGULAR DISTANCE APART

RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill; which divided into the number of square feet (43,560), will give the number of plants to the acre.

Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre
3 x4 in.	522,720	3 x1 ft.	14,520	4 1/2 x4 1/2 ft.	2,150	6x 7 ft.	1,031	11 x11 ft.	360	19x19 ft.	120
4 x4 in.	392,040	3 x2 ft.	7,260	5 x1 ft.	18,712	6x 8 ft.	907	12 x12 ft.	302	20x20 ft.	108
6 x6 in.	174,240	3 x3 ft.	4,840	5 x2 ft.	4,356	6x 9 ft.	806	14 x14 ft.	222	25x25 ft.	69
1 x1 ft.	43,560	3 1/2 x3 1/2 ft.	3,555	5 x3 ft.	2,904	6x10 ft.	726	15 x15 ft.	193	30x30 ft.	48
1 1/2 x1 1/2 ft.	19,360	4 x1 ft.	10,890	5 x4 ft.	2,178	7x 7 ft.	888	16 x16 ft.	170	33x33 ft.	40
2 x1 ft.	21,780	4 x2 ft.	5,445	5 x5 ft.	1,742	8x 8 ft.	680	16 1/2 x16 1/2 ft.	160	40x40 ft.	27
2 x2 ft.	10,890	4 x3 ft.	3,630	5 1/2 x5 1/2 ft.	1,440	9x 9 ft.	537	17 x17 ft.	150	50x50 ft.	17
2 1/2 x2 1/2 ft.	6,960	4 x4 ft.	2,722	6 x6 ft.	1,200	10x10 ft.	435	18 x18 ft.	134	60x60 ft.	12

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Liefgreen's Monthly Planting Guide

FOR THE SALT RIVER VALLEY AND SIMILAR CLIMATES

For the colder sections of Arizona the time of planting should be determined by the weather conditions. In Northern Arizona and in the higher altitudes most of the varieties listed here should be planted in the Spring, after all danger of frost.

January Planting List

VEGETABLE SEEDS—Asparagus, Beets, Cabbage Plants, Carrots, Cauliflower Plants, Collards, Endive, Kale, Kohlrabi, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Potatoes, Radishes, Rhubarb Roots, Spinach, Turnips, Strawberry Plants.

FLOWER SEEDS—African Daisy, Bachelor Buttons, Calendula, Calliopsis, Candytuft, Carnation, Centaurea, Chrysanthemum, Cosmos, Coreopsis, Double Daisy, Gaillardia, Gypsophila, Hollyhock, Larkspur, Linaria, Linum, Moon Vine, Mignonette, Nemophila, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Salpiglossis, Shasta Daisy, Scabiosa, Stocks, Snapdragon, Sweet Alyssum, Sweet Peas, Virginia Stocks, Verbena, Venidium Fastuosum, Wall Flower.

BULBS—Amaryllis, Canna, Calla Lily, Chinese Lily, Crocus, Daffodils, Freesias, Gladiolus, Jonquils, Hyacinths, Oxalis, Paper White Narcissus, Tulips, Ranunculus, Tuberose.

LAWN SEEDS—Blue Grass, Rye Grass, White Dutch Clover.

FIELD SEEDS — Alfalfa, Barley, Oats, Rye, Wheat, Sweet Clover.

February Planting List

VEGETABLE SEEDS—Asparagus Roots, Beets, Cabbage Plants, Carrots, Collards, Cress, Endive, Kale, Kohlrabi, Lettuce, Mustard, Okra, Onion Sets, Parsley, Parsnips, Peas, Peppers in Hot Beds, Irish Potatoes, Sweet Potatoes, Tubers in Beds, Radish, Salsify, Squash, Tomatoes, Turnips.

VEGETABLE PLANTS—Artichoke, Egg Plant, Pepper, Rhubarb, Tomato in the warmest section.

FLOWER BEDS—Asters, African Daisy, Bachelor Button, Balsam, Calendula, Carnation, Candytuft, Calliopsis, Centaurea, Chrysanthemum, Coreopsis, Cosmos, Cockscomb, Evening Primrose, Four-o'clock, Gaillardia, Gypsophila, Gerbera, Geum, Hollyhocks, Helichrysum, Kochia, Lantana, Larkspur, Linaria, Lobelia, Marigold, Moon Vine, Morning Glory, Nemophila, Nigella, Nasturtium. Other Vine Seeds, Pansy, Petunia, Pinks, Scabiosa, Salpiglossis, Scarlet Flax, Shasta Daisy, Statice, Snapdragon, Sweet Alyssum, Sweet Peas, Sweet Sultan, Tithonia Speciosa, Virginia Stocks, Verbena, Venidium Fastuosum, Wall Flower.

BULBS — Amaryllis, Caladium, Canna, Calla Lily, Chinese Lily, Gladiolus, Madeira Vine, Ranunculus, Tuberose, Queen's Wreath.

LAWN SEEDS—Bermuda, Blue, Rye, White Dutch Clover.

FIELD SEEDS—Alfalfa, Barley, Oats, Sweet Clover, Wheat. Set out Fruit Trees, Rose Bushes and Shrubbery.

March Planting List

VEGETABLE SEEDS — Asparagus Roots, Beans, Beets, Carrots, Collards, Corn, Cress, Cucumbers, Egg Plant, Endive, Kale, Kohlrabi, Leek, Lettuce, Melons, Mustard, Okra, Onion Sets, Peas, Pepper, Peanuts, Irish Potatoes, Sweet Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Tomato Seed.

VEGETABLE PLANTS — Artichoke, Egg Plant, Pepper, and Tomato.

FLOWER SEEDS—All Vine Seeds, Balsam, Chrysanthemum, Cockscomb, Cosmos, Four-o'clocks, Gerbera, Geum, Gaillardia, Gomphrenia, Helichrysum, Hollyhock, Kochia, Larkspur, Lantana, Marigold, Morning Glory, Nasturtium, Petunia, Portulaca, Salpiglossis, Scarlet Flax, Sweet Alyssum, Tithonia Speciosa, Verbena, Zinnia, Venidium Fastuosum, Wall Flower.

BULBS—Canna, Caladium, Calla Lily, Gladiolus, Madeira Vine, Tuberose, Queen's Wreath.
LAWN SEEDS—Bermuda Grass.

FIELD SEEDS—Alfalfa, Sweet Clover. Set out Fruit Trees, Rose Bushes, and Shrubbery.

April Planting List

VEGETABLE SEEDS—Asparagus Roots, Beans, Beets, Celery, Corn, Cucumber, Egg Plant, Endive, Kale, Kohlrabi, Leek, Melons, Okra, Peanuts, Irish Potatoes in high altitudes, Sweet Potatoes, Pumpkin, Radish, Squash.

VEGETABLE PLANTS—Artichoke, Egg Plant, Pepper, Rhubarb, Tomato.

FLOWER SEEDS — African Marigold, Cosmos, Gaillardia, Gerbera, Geum, Hollyhocks, Morning Glory, All Vine Seeds, Portulaca, Zinnia, Tithonia Speciosa.

LAWN SEEDS—Bermuda Grass.

FIELD SEEDS—Corn, Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Hegaria, Sorghum, Sudan Grass, Bermuda Grass.

May and June Planting List

VEGETABLE SEEDS—Beets, Kale, Melons, Peanuts, Pumpkin, Sweet Potato Plants, Squash.

FLOWER SEEDS—African Marigold, Cosmos, Morning Glory, Nicotiana, Portulaca, Tithonia Speciosa, Vine Seed, Zinnia.

FIELD SEEDS — Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Hegari, Sorghums, Sudan Grass, Bermuda Grass for lawn and pasture.

July Planting List

VEGETABLE SEEDS—Brussels Sprouts, Cabbage Seed and Cauliflower Seed in shaded bed, Casaba, Corn, Peanuts, Pumpkin, Squash.

FLOWER SEEDS — Cosmos, Morning Glory, Portulaca, Tithonia Speciosa, Vines, Zinnia.

FIELD SEEDS—Bermuda Grass, Corn, Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Pink Beans, Sorghums, Sudan Grass.

August Planting List

VEGETABLE SEEDS—Beans, Beets, Cabbage, Carrots, Cauliflower, Corn, Cucumber, Kale, Peas, Pumpkin, Squash, Turnips.

FLOWER SEEDS—Cosmos, Nasturtium, Phlox, Portulaca, Tithonia Speciosa, Virginia Stocks, Zinnia.

FIELD SEEDS—Bermuda Grass, Corn, Cowpeas, Millet, Pink Beans to August 10, Sudan Grass.

September and October Planting List

VEGETABLE SEEDS—Beets, Cabbage, Carrots, Cauliflower, Collards, Cress, Endive, Garlic Sets, Herbs, Kale, Kohlrabi, Leek, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Radish, Salsify, Spinach, Turnips.

VEGETABLE PLANTS — Cabbage and Cauliflower.

FLOWER SEEDS — African Daisy, Bachelor Button, Calendula, Candytuft, Carnation, Calliopsis, Centaurea, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Globe Amaranth, Gaillardia, Gypsophila, Hollyhocks, Larkspur, Linaria, Mignonette, Moon Vine, Nemophila, Nicotiana, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Snapdragons, Stocks, Sweet Alyssum, Sweet Peas, Sweet William, Verbena, Virginia Stocks, Venidium Fastuosum, Geum.

BULBS—Anemone, Daffodils, Chinese Sacred Lily, Freesias, Galanthus, Iris, Jonquils, Narcissus, Oxalis, Paper Whites, Soleil D'Or (Yellow Paper Whites), Muscarl, Ranunculus.

LAWN SEEDS—Bermuda Grass, Blue Grass, Rye Grass, White Clover, Poa Trivialis, Bent Grass, Red Top.

FIELD SEEDS—Alfalfa, Barley, Oats, Winter Rye, Wheat.

November and December Planting List

VEGETABLE SEEDS—Beets, Cabbage, Carrots, Cauliflower, Endive, Garlic Sets, Kale, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnip, Peas, Radish, Spinach, Turnips.

VEGETABLE PLANTS—Cabbage and Cauliflower.

FLOWER SEEDS—African Daisy, Calendula, Candytuft, Carnation, Calliopsis, Centaurea, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Geum, Globe Amaranth, Gaillardia, Gypsophila, Hollyhock, Larkspur, Linaria, Mignonette, Moon Vine, Nemophila, Nicotiana, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Snapdragons, Stocks, Sweet Peas, Sweet William, Verbena, Virginia Stocks, Venidium Fastuosum.

LAWN SEEDS—Blue Grass, Rye Grass, White Clover, Poa Trivialis, Bent Grass, Red Top.

BULBS — Amaryllis, Anemone, Calla Lily, Chinese Lily, Soleil D'Or (Yellow Chinese Lily), Daffodils, Freesias, Galanthus, Gladiolus, Hyacinths, Dutch Iris, Jonquils, Muscarl, Oxalis, Paper White Narcissus, Ranunculus, Tulips.

FIELD SEEDS—Alfalfa, Barley, Oats, Winter Rye, Wheat.

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